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| Road Maintenance Directorate |

Asset Data Collection Manual

AMF-PRC-005

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# Addendums

**Ancillary Assets**

Data Collection template for Road Civil Assets [Template](https://dit.sa.gov.au/__data/assets/excel_doc/0003/564195/Data_Collection_Manual_-_Selections_and_Examples.XLSX)

Roads Addendum – Asset Types and Condition Examples #12290952

**Structures Map**

Road Structures Inspection Manual

* Part 2 – Deterioration of Structures #14677930
* Part 3 – Condition Rating of Structure Elements #14677963
* Part 4A Condition State Guidelines - Bridges #14888945
* Part 4B Condition State Guidelines – Culverts #14883939
* Part 4C Condition State Guidelines – Other Structures #14883411
* Appendix A - Description of Structures and Structure Elements #14677975

**Electrical Assets**

RITS Data Collection Template [Template](https://dit.sa.gov.au/__data/assets/excel_doc/0009/1074249/Docs_And_Files-17518794-v1B-ITS_and_Traffic_Signals-RITS_Data_Collection_Template.xlsx)

EARLS Data Collection Template [Template](https://dit.sa.gov.au/__data/assets/excel_doc/0019/1074250/Docs_And_Files-17074938-v2A-Road_Lighting_-_EARLS_Data_Collection_Template.xlsx)

Electrical Addendum - Asset Types and Condition Examples #14816675

# Asset Data Collection Manual

## General

* + 1. This manual sets out the minimum requirements for data provision for Assets that have been altered or added to the road network. The purpose of this document is to ensure that all asset data from internal and external parties is provided in a consistent format that can be entered into the Asset Management Information System to enable the performance of Asset Management functions in line with ISO 55001.

### Guiding Principles

* + 1. The following guiding principles apply:
* Collect data that is complete, accurate, up-to-date and consistent;
* Collect only the data you need;
* Collect data to the lowest level of detail sufficient to make appropriate decisions;
* Collect data only when it is required; and
* Ensure that it is accessible to those who need it.

### Flexibility and Innovation

* + 1. A further principle is to allow flexibility and innovation in data collection and provision, that allows for the introduction of current and / or future alternative technologies as these develop, whilst providing the data necessary to enable the performance of Asset Management functions.
    2. There is no specification for the software and / or hardware to be used but systems must have geographical information system (GIS) capability and be able to provide data in the specified format.
    3. Where asset location data is provided in GPS coordinates, the GIS system is able to derive further location based data attributes, including but not limited to the following;
* Road Number and Name
* Road Running Distance and / or Maintenance Markers
* Council Area
* State Electorate
* SA Government Region
* Federal Electorate
* Contract Zone Maintenance Provider

## Data Attribution

### Geographic Location

* + 1. Asset classes are represented within a Shape field by either Point, Linear (polyline) or Area (polygon) features in the spatial environment, using geographic coordinates (i.e. latitude and longitude) in decimal degrees. Accuracy is to be to 5 decimal places. With the latitude must be shown as a negative number.
    2. Geographic coordinates in the WGS84 Datum must be used for exchange of asset location. Contractor systems may store location data in any coordinate system, but the system must be capable of converting the data to WGS84 coordinates

### Asset Type

#### For All Asset Type

* + 1. Proposed methods for capturing locational data for point, linear and area assets must be approved by the Superintendent to ensure that the Principal’s GIS system is able to read and interpret the data. An approved method can be found in Attachment 2
    2. Five simple geometry (Shape) formats are required viz. POINT, LINESTRING, POLYGON, MULTISTRING and MULTIPOLYGON. Examples:
       1. POINT

“POINT (Longitude Latitude)”

* + - 1. POLYLINE

“LINESTRING (Longitude Latitude, Longitude Latitude, Longitude Latitude)”

“MULTISTRING ((Longitude Latitude, Longitude Latitude, Longitude Latitude))”

* + - 1. POLYGON

“POLYGON ((Longitude Latitude, Longitude Latitude, Longitude Latitude))”

“MULTIPOLYGON (((Longitude Latitude, Longitude Latitude, Longitude Latitude)))”

#### Point Assets

* + 1. A point asset is a single point in geographical space

#### Linear (Polyline) Assets

* + 1. An example of a Linear Asset is a safety barrier installed on winding road. The method used to represent Linear Assets must show the true location, approximate shape and length of the asset. A suggested method is a GPS unit that has the ability to capture track logs to capture the position, shape and length of a linear and/ or curved asset

#### Area (Polygon) Assets

* + 1. Similar to Linear Assets but with the ability to calculate the area of the asset

### Data Model

#### Parent Child Relationship

* + 1. Asset data must include Parent Child Relationships as provided in Attachment

### Asset Identifiers

* + 1. Two unique asset identifiers must be recorded for each asset.
    2. The Principal and the Contractor will each assign their own unique identifier for each asset and these will be recorded in the Asset Register.
    3. The Dept Asset ID is generated by the Asset Management system to ensure uniqueness. The Contractor must store this identifier in their system.
    4. The Contractor must assign a unique asset identifier. The Contractor’s identifier must begin with the contract number “YYCNNN-xxxxxx”.
    5. The two asset identifiers will enable data exchange between the Principal and the Contractor. The following table lists the business rules that will be used to interpret the data exchanged;

|  |  |
| --- | --- |
| Scenario | Data exchange requirement |
| Contractor creates a new asset or identifies an asset missing from the register. | The Dept Asset ID must be null (empty); Contractor ID must be supplied; The Dept Asset Management system will allocate a new ID when the data is loaded into the system and the ID will be sent back to the Contractor in the next data exchange cycle. |
| Contractor updates an asset record. | The Dept Asset ID must be supplied; Contractor ID must be supplied. |
| The Principal creates a new asset or identifies an asset missing from the register. | The Dept Asset ID must be supplied; Contractor ID must be null.  The Contractor’s system will allocate a new ID when the data is loaded into their system and the ID will be sent back to the Principal in the next data exchange cycle. |
| The Principal updates an asset record. | The Dept Asset ID must be supplied; Contractor ID must be supplied. |

### Asset Condition (Current Condition)

* + 1. The asset condition assessment table below provides assistance in determining condition grading and performance of assets. The attribute to be captured must be New, Good, Average, Poor or Unserviceable.

|  |  |  |
| --- | --- | --- |
| Code |  | Description |
| 1 | Very Good | As new. |
| 2 | Good | No corrosion or other deterioration. |
| 3 | Fair or Moderate | Some deterioration but structural integrity satisfactory  (e.g. some corrosion of steel but strength not affected). |
| 4 | Poor | Considerable deterioration so that structural integrity compromised  (e.g. steel corroded to extent that strength may be affected, cracked concrete posts). |
| 5 | Very Poor | Deteriorated to extent that structural integrity is severely affected  (e.g. severely corroded rail, spalled concrete posts, deteriorated timber components). |

* + 1. Road asset type and condition examples can be provided by the Superintendent (example documents formerly the Road Addendum / Road Lighting Addendum).

### Asset Status

* + 1. The status of Assets is defined by the following table;

|  |  |  |
| --- | --- | --- |
| Code |  | Description |
| 1 | Operating | Asset in Use / Active / Connected |
| 2 | Decommissioned | Asset has been Decommissioned / Disconnected |
| 3 | Invalid | Entered in error / Not proceeded with install |
| 4 | Removed | Asset no longer exists |
| 5 | Pending | Asset number has been reserved for future install |

* + 1. Decommissioning or removal dates are to be added to the comments field for any decommissioned or removed asset where this data is missing.
    2. For Asset Status for Road Lighting – EARLS Data Collection refer Electrical Assets Clause 20.

### Responsibility

|  |  |  |
| --- | --- | --- |
| Code |  | Description |
| 1 | DEPT | Department for Infrastructure and Transport |
| 2 | ACC | Adelaide City Council |
| 3 | Council | Care and Control of Council |
| 4 | APY | Anangu Pitjantjatjara Yankunytjatjara Lands |
| 5 | SAPTA | South Australian Public Transport Authority |
| 6 | ARTC | Australian Rail Track Corporation |
| 99 | Other | Other Asset Owners |

## Data exchange Format

### File Format

* + 1. Data interchange files will be in excel spreadsheet with each Asset Class supplied as a separate tab.
    2. The following dot points specify the general characteristics applicable to data interchange files.
       1. The first line in an interchange file provides the names of the attributes in the sequence that their values will appear in every subsequent line of the file. Each of the rest of the lines in the file represent a separate asset occurrence and provide the values of the asset’s attributes in the same sequence as the attributes in the first line of the file.
       2. The attribute names must be spelled precisely as presented within this document, although the spelling is case insensitive. Note that attribute names contain only alpha-numeric characters with one space between words.
       3. Every attribute name in the first line of a file must be unique.
       4. Attributes must be in the order is determined by the attribute names in the first line of the file.
       5. The first line must include the ‘Dept Asset ID’.
       6. Every attribute supplied with a value must conform to its specified format (alphabetic, alpha-numeric, decimal, integer or date), which must not contain any characters other than alphabetic, numeric, “.” (period), or spaces.
       7. Date attributes shall be in the following format: DD/MM/YYYY
       8. If an attribute is specified with a set of coded or domain values, then any value supplied for the attribute must be in the code or domain list.
       9. Further for coded values, the value provided must be the appropriate code from the relevant codes table. Descriptions are not to be used.
       10. When adding a new asset occurrence, as indicated by ‘Dept Asset ID’ or “Contractor ID” not being supplied:
       11. every required identification and location attribute must be supplied with a valid value or the record will not be added;
       12. every detail attribute required for completeness not supplied with a valid value will be reported with an incompleteness warning
       13. Geographic location i.e. shape fields shall be supplied in OGC WKT format. The formal definition for this format is available on the Open GeoSpatial Consortium website (http://www.opengeospatial.org/). However, for the purposes of this specification, only five simple geometry formats are required viz. POINT, LINESTRING, POLYGON, MULTISTRING and MULTIPOLYGON. Examples:
           1. POINT

“POINT (Longitude Latitude)”

* + - * 1. POLYLINE

“LINESTRING (Longitude Latitude, Longitude Latitude, Longitude Latitude)”

“MULTISTRING ((Longitude Latitude, Longitude Latitude, Longitude Latitude))”

* + - * 1. POLYGON

“POLYGON ((Longitude Latitude, Longitude Latitude, Longitude Latitude))”

“MULTIPOLYGON (((Longitude Latitude, Longitude Latitude, Longitude Latitude)))”

* + - 1. Shape field accuracy is to be to five (5) decimal places.
      2. Latitude must be shown as a negative
    1. Examples of data interchange formats are included in Attachment 2.

## Data Attributes

The following data attributes are the minimum requirement for information in accordance with clause 1.1 Guiding Principles.

# Ancillary Assets

### [Road Related Ancillary Assets](https://dpti.geohub.sa.gov.au/portal/apps/webappviewer/index.html?id=171383519dc24ab0a74d0d5f7e58f16b)

## Sign Posts

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Number of Posts | Numeric(1) | Valuation, depreciation |
| Post Size | Coded | Valuation, depreciation |
| Frangible | Domain Y or N fixed selection | Safety and cost implications |
| Footing Type | Coded | Maintenance/AMP |
| Coating Type | Coded | Maintenance/AMP |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Post Size** | |  | **Footing Type** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Steel 80x40 |  | 1 | Direct Buried |
| 2 | Circular50 |  | 2 | Sleeved |
| 3 | Circular80 |  | 3 | Concreted |
| 4 | Circular90 |  | 4 | Bolted |
| 5 | Circular100 |  | 99 | Other |
| 6 | Circular125 |  |  |  |
| 7 | Aluminium Frangible50 |  | **Coating Type** | |
| 8 | Aluminium Frangible65 |  | **Code** | **Description** |
| 9 | Aluminium Frangible80 |  | 1 | Galvanized |
| 10 | Aluminium Frangible90 |  | 2 | Painted |
| 11 | Aluminium Frangible100 |  | 3 | Powder Coated |
| 12 | Steel I Beam Slip Base Posts |  | 99 | Other |
| 14 | Timber Posts |  |  |  |
| 15 | Star Dropper |  |  |  |
| 17 | Steel-Flex |  |  |  |
| 18 | Poly-flex |  |  |  |
| 99 | Other |  |  |  |

## Signs

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Sign Type | Coded | Valuation, depreciation |
| Sign Code | Alpha Numeric(15) | Type, Size, cost, value |
| TES Number | Alpha Numeric(15) | Type, Size, cost, value |
| Height (mm) | Numeric(5) | Valuation, depreciation |
| Width (mm) | Numeric(5) | Valuation, depreciation |
| Message | Alpha Numeric(255) | Clarity of purpose for all data users. |
| Dynamic Type | Domain | Statutory requirements |
| Material Type | Coded | Valuation, depreciation |
| Anti-Graffiti Coating | Domain Y or N fixed selection | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Date of Manufacture | Date | To validate warranty |
| Warranty | Numeric(2) | AM Warranty obligations |
| Current Condition | Coded | Valuation, depreciate |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Removal Date | Date | Valuation, depreciate |
| Shape | Point | Geographic location |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sign Type Code** | |  | **Dynamic Type domain** |  | **Material Type code** | |
| **Code** | **Description** |  | Static |  | **Code** | **Description** |
| 1 | Regulatory |  | CMS |  | 1 | Aluminium |
| 2 | Warning |  | VMS\* |  | 2 | Polycarbonate |
| 3 | Guide |  | Static & Lights |  |  |  |
| 4 | Hazard |  |  |  |  |  |
| 5 | Tourist |  |  |  |  |  |
| 6 | Service |  |  |  |  |  |
| 7 | Information |  |  |  |  |  |
| 8 | Directional |  |  |  |  |  |
| 9 | Maintenance Marker |  |  |  |  |  |
| 99 | Other |  |  |  |  |  |

Note: Clearway signs are also to be entered

\*Examples of VMS:

* TRAVEL – Travel information signs
* TUNNEL – Tunnel information signs
* SPEED – Variable speed signs

## Safety Barrier

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Safety Barrier Type | Coded | Type, Valuation, depreciation |
| Type of Post | Domain | Valuation, depreciation |
| Post Spacing (m) | Numeric(3,1) | Valuation, depreciation |
| Length (m) | Numeric(5) | Valuation, depreciation |
| Spacer Blocks | Domain | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Removal Date | Date | Valuation, depreciation |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Safety Barrier Type Code** | |  | **Type of Post domain** |  | **Spacer Block domain** |
| **Code** | **Description** |  | Timber |  | None |
| 1 | Backing Rail |  | Steel |  | Timber |
| 2 | Bridge Rail |  | Concrete |  | Steel |
| 3 | Concrete |  | Aluminium |  | Both |
| 4 | Thrie Beam |  | Other |  | Other |
| 5 | Wire Rope Brifin |  |  |  |  |
| 6 | Wire Rope Sentryline |  |  |  |  |
| 7 | Wire Rope Flexfence |  |  |  |  |
| 8 | Ezy-Guard |  |  |  |  |
| 9 | W-Beam |  |  |  |  |
| 10 | Armourguard |  |  |  |  |
| 11 | BarrierGuard Gate |  |  |  |  |
| 13 | Masonry Wall |  |  |  |  |
| 14 | Aluminium RHS |  |  |  |  |
| 15 | Steel RHS |  |  |  |  |
| 16 | Steel Panel |  |  |  |  |
| 17 | Steel Pipe |  |  |  |  |
| 18 | Sentry W-Beam |  |  |  |  |
| 19 | Ezy-Guard High Containment |  |  |  |  |
| 99 | Other |  |  |  |  |

Note: Add “Railing” into the comments where an additional railing is installed above barrier.

## Start/End Terminal

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Terminal | Domain | Data relationship, valuation, costs |
| Terminal Type | Coded | Type, Valuation, depreciation |
| Length (m) | Numeric(3) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Terminal Type Code** | |  | **Terminal Type domain** | |  | **Terminal domain** |
| **Code** | **Description** |  | **Code** | **Description** |  | Start |
| 1 | Melt |  | 11 | Driveway |  | End |
| 2 | BCT |  | 12 | QuadGuard |  |  |
| 3 | SKT |  | 13 | TRACC |  |  |
| 4 | ET2000Plus |  | 14 | Universal TAU-II |  |  |
| 5 | FLEAT |  | 15 | Smart Cushion |  |  |
| 6 | TREND 350 |  | 16 | EAPTB Stobie Buffer |  |  |
| 8 | X-Tension |  | 17 | Treefend |  |  |
| 9 | Fishtail |  | 18 | RAPTOR |  |  |
| 10 | Energy Absorbing End Terminal |  | 99 | Other |  |  |

## Motorcycle Protection

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Protection Type | Coded | Type, Valuation, depreciation |
| Length | Numeric(3) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Protection Type domain** | |  |
| **Code** | **Description** |
| 1 | Stack Cushion |
| 2 | Ingal MPR |
| 3 | HIASA SPM-ES2 |
| 99 | Other |

Drainage

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Type | Coded | Valuation, depreciation |
| Material Type | Coded | Valuation, depreciation |
| Number of Runs | Numeric(2) | Valuation, depreciation |
| Standard Culvert Dimensions | Domain | Valuation, depreciation |
| Non-Standard Width (mm) | Numeric(5) | Valuation, depreciation |
| Non-Standard Height (mm) | Numeric(5) | Valuation, depreciation |
| Non-Standard Diameter (mm) | Numeric(5) | Valuation, depreciation |
| Length (m) | Numeric(5,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Structure Type Code** | |  | **Material Type domain** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Pipe Culvert |  | 1 | Concrete - Precast |
| 2 | Box Culvert |  | 2 | Galvanised |
| 4 | Subsoil Drain |  | 3 | Steel (Corrugated) |
| 5 | Grate |  | 4 | Cast Iron |
| 6 | Lined Drain |  | 5 | Other Plastic ,HDPE, PVC |
| 8 | Swale |  | 6 | Masonry |
| 9 | Bioretention Swale |  | 7 | Concrete - Insitu |
| 10 | Arch |  | 8 | Aluminium |
| 11 | Wetland |  | 9 | Earthenware |
| 12 | Sedimentation Basin |  | 10 | Vegetated |
| 13 | Detention Basin |  | 11 | Rock |
| 14 | Floodway |  | 99 | Other |
| 15 | Spoon Drain |  |  |  |
| 16 | Kerb & Gutter |  |  |  |
| 17 | Levees and Bunds |  |  |  |
| 99 | Other |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Pipe Culvert Sizes domain** |  | **Box Culvert Sizes domain** |
| Non-Standard |  | 300x225 |
| 100 dia |  | 450x300 |
| 150 dia |  | 600x300 |
| 300 dia |  | 600x450 |
| 375 dia |  | 900x300 |
| 450 dia |  | 900x450 |
| 525 dia |  | 900x600 |
| 600 dia |  | 1200x300 |
| 675 dia |  | 1200x450 |
| 750 dia |  | 1200x600 |
| 825 dia |  | 1200x900 |
| 900 dia |  | 1200x1200 |
| 1050 dia |  | 1350x450 |
| 1200 dia |  | 1500x600 |
| 1350 dia |  | 1500x750 |
| 1500 dia |  | 1500x900 |
| 1650 dia |  | 1500x1200 |
| 1800 dia |  | 1500x1500 |
|  |  | 1800x450 |

Dimensions are internal.

For standard types (i.e. pipe culverts, box culvert, subsoil drain grate and lined drains) closest dimension from the above domain must be selected.

Non-standard types (i.e. bridge assets, grid, swale, bioretention swale, arch, wetland, sedimentation basin, detention basin and other), width and height or diameter must be recorded

## Inlet / Outlet / Junction

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Inlet / Outlet | Domain | Data relationship, valuation, costs |
| Structure Type | Coded | Valuation, depreciation |
| Material Type | Coded | Valuation, depreciation |
| Lid Type | Coded | Valuation, depreciation |
| Size | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Structure Type Code** | |  | **Material Type Codes** | |  | **Lid Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |  | **Code** | **Description** |
| 1 | Headwall |  | 1 | Concrete |  | 1 | Standard |
| 2 | SEP |  | 2 | Masonry |  | 2 | Heavy Duty |
| 3 | Grate |  | 3 | Rip-Rap |  | 3 | Super Heavy Duty |
| 4 | SEP / Grate Combo |  | 4 | Gabion |  | 99 | Other |
| 5 | Field Gully |  | 5 | Cast Iron |  |  |  |
| 6 | Junction Box |  | 99 | Other |  | **Size Codes** | |
| 7 | HUMEceptor |  |  |  |  | **Code** | **Description** |
| 8 | Stormceptor |  | **Inlet / Outlet domains** | |  | 1 | Single |
| 9 | Downstream Defender |  | Inlet | |  | 2 | Double |
| 10 | EcoSol RSF 4000 |  | Outlet | |  | 3 | Triple |
| 11 | Gross Pollution Trap |  | Junction | |  |  |  |
| 12 | Trash Nets |  |  | |  |  |  |
| 13 | Driveable Endwall |  |  | |  |  |  |
| 14 | Dual Driveable Endwall |  |  | |  |  |  |
| 15 | Drop Structure |  |  | |  |  |  |
| 99 | Other |  |  | |  |  |  |

## Fence / Gates

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Fence Type | Coded | Valuation, depreciate |
| Length (m) | Numeric(3) | Valuation, depreciation |
| Average Height (m) | Numeric(3,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Warranty (yrs) | Numeric(2) | AM Warranty obligations |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fence Type Codes** | |  | **Fence Type Codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Farm or Stock |  | 9 | 1200 Pedestrian Rail |
| 2 | Chainmesh |  | 10 | 600 Pedestrian Rail |
| 3 | Pedestrian |  | 11 | Stock Gate |
| 4 | Vermin Proof |  | 12 | Pedestrian Gate |
| 5 | Concrete Panel |  | 13 | Security Gate |
| 6 | Timber Panel |  | 14 | Motorised Security Gate |
| 8 | Security fence |  | 99 | Other |

Note: Colour code to be added to comments & Koala crossing mesh shall be recorded as “Other” with a note added to comments.

## Stack Site

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Size (m2) | Numeric(6) | Size of asset |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

## Borrow Pits

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Size (m2) | Numeric(6) | Size of asset |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

## Retaining Wall

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| BIS Plan Number | Alpha Numeric(10) | Data relationship |
| Retaining Wall Type | Coded | Valuation, depreciate |
| Road Located | Coded | Maintenance/AMP |
| Length (m) | Numeric(3) | Valuation, depreciation |
| Average Height (m) | Numeric(3,1) | Valuation, depreciation |
| Maximum Height (m) | Numeric(3,1) | Maintenance/AMP |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Retaining Wall Type Codes** | |  | **Road Located Codes** | |
| **Code** | **Description** |  | Code | Description |
| 1 | Concrete Block |  | 1 | At Base of Wall |
| 2 | Concrete Crib |  | 2 | At Top of Wall |
| 3 | Timber Crib |  |  |  |
| 4 | Gabion |  |  |  |
| 6 | Shotcrete |  |  |  |
| 7 | Stone Walling |  |  |  |
| 8 | Reinforced Concrete |  |  |  |
| 9 | Reinforced Earth – Concrete Faced |  |  |  |
| 10 | Reinforced Earth – Concrete Panels |  |  |  |
| 11 | Reinforced Earth – Gabion Faced |  |  |  |
| 12 | Reinforced Earth – Keystone\* |  |  |  |
| 13 | Stone Pitched |  |  |  |
| 14 | Steel Post & Concrete Panel |  |  |  |
| 99 | Other |  |  |  |

## Rest Areas

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Rest Area Type | Coded | Valuation, depreciation |
| Surface Type | Coded | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Truck Parking | Domain Y or N fixed selection | Maintenance/AMP |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rest Area Type codes** | |  | **Rest Area Surface Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Major Rest Area |  | A | Asphalt |
| 2 | Minor Rest Area |  | S | Spray Sealed |
| 3 | Truck Parking Bays |  | U | Unsealed |
| 4 | Truck Informal Parking |  | O | Other |

Note: Add name of rest area into comments where applicable.

## Bins

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Material Type | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Bin Material Type codes** | |  |
| **Code** | **Description** |
| 1 | Plastic |
| 2 | Concrete |
| 3 | Metal |
| 99 | Other |

## Table

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Material Type | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Table Material Type codes** | |  |
| **Code** | **Description** |
| 1 | Metal |
| 2 | Wood |
| 3 | Concrete |
| 4 | Recycled Plastic |
| 99 | Other |

## Seat

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, depreciation |
| Construction Type | Coded | Valuation, depreciation |
| Length (m) | Numeric (3,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Construction Type codes** | |  |
| **Code** | **Description** |
| 1 | Timber frame |
| 2 | Aluminium frame |
| 3 | Steel frame |
| 99 | Other |

## Shelter

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Construction Type | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Construction Type codes** | |  |
| **Code** | **Description** |
| 1 | Cantilever |
| 2 | Truss |
| 3 | Sails |
| 4 | Other |

## Shed

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Area (m2) | Numeric(6) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Toilet Block

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Number of toilets | Numeric(2) | Valuation, depreciation |
| Toilet Connection Type | Coded | Valuation, depreciation |
| Disable Toilet Available | Domain Y or N fixed selection | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Toilet Connection Type codes** | |  |
| **Code** | **Description** |
| 1 | Mains Water |
| 2 | Tank Feed |

## Water Tank

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Number of Tanks | Numeric(2) | Valuation, depreciation |
| Size (m3) | Numeric(6) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Medians

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Median Type | Coded | Valuation, depreciation |
| Median Infill Type | Coded | Valuation, depreciation |
| Width (m) | Numeric(3,1) | Valuation, depreciation |
| Length (m) | Numeric(5) | Valuation, depreciation |
| Irrigation System | Domain Y or N fixed selection | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Council Maintained | Domain Y or N fixed selection | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type codes** | |  | **Communication Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 3 | Kerbed |  | 1 | Paved |
| 4 | Barrier |  | 2 | Concrete |
| 5 | No edge |  | 3 | Asphalt |
|  |  |  | 4 | Synthetic Turf |
|  |  |  | 5 | Rubble |
|  |  |  | 6 | Grassed |
|  |  |  | 7 | Deciduous Trees |
|  |  |  | 8 | Mulched |
|  |  |  | 9 | Rocked Filled |
|  |  |  | 10 | Other Landscaping |

## Pathways

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Pathway Type | Coded | Valuation, depreciation |
| Surface Type | Coded | Valuation, depreciation |
| Length (m) | Numeric(5) | Valuation, depreciation |
| Width (m) | Numeric(3,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type codes** | |  | **Communication Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Pedestrian |  | A | Asphalt |
| 2 | Shared Use |  | S | Spray Sealed |
| 3 | Bicycle |  | U | Unsealed |
| 99 | Other |  | P | Paved |
|  |  |  | C | Concrete |
|  |  |  | O | Other |

Note: Add name of pathways into comments were applicable.

## Bollards

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Material | Coded | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Construction Type codes** | |  |
| **Code** | **Description** |
| 1 | Steel |
| 2 | Timber |
| 3 | Concrete |
| 4 | Removable Steel |

Note: Key number for removable bollards added to comments.

## Fire Hydrants

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Last Tested Date | Date | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Wind Socks

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Post Height (m) | Numeric (3,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Urban Art

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Description | Alpha Numeric(255) | Identification |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Arrester Bed

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Surface Type | Coded | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Arrester Bed Surface Type codes** | |  |
| **Code** | **Description** |
| 1 | Gravel |
| 2 | Other |

## Weigh Station

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Type | Domain | Valuation, depreciation |
| Surface Type | Coded | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
| **Surface Type codes** | |  | **Weigh Station Type codes** |
| **Code** | **Description** |  | Bridge |
| A | Asphalt |  | Slab |
| S | Spray Sealed |  |  |
| U | Unsealed |  |  |
| O | Other |  |  |

## Park and Ride

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Surface Type | Coded | Valuation, depreciation |
| Park and Ride Type | Coded | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Surface Type codes** | |  | **Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| A | Asphalt |  | 1 | Train |
| S | Spray Sealed |  | 2 | Tram |
| U | Unsealed |  | 3 | Bus |
| O | Other |  |  |  |

## Rock Slope

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Type | Coded | Valuation, depreciation |
| Length (m) | Numeric(6) | Valuation, depreciation |
| Height (m) | Numeric(3) | Valuation, depreciation |
| Average Angle (degrees) | Numeric(3) | Maintenance/AMP |
| KNet Report Number | Numeric(20) | Maintenance/AMP |
| Construction Date | Date | Valuation, depreciation |
| Assessed Risk Level (ARL) | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type codes** | |  | **Assessed Risk Level codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Rock |  | 1 | Highest Risk |
| 2 | Soil |  | 2 | High Risk |
| 3 | Rock and Soil |  | 3 | Moderate Risk |
| 99 | Other |  | 4 | Low Risk |
|  |  |  | 5 | Lowest Risk |

## Roadstrips

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Surface Type | Coded | Valuation, depreciation |
| Size (m2) | Numeric(6) | Valuation, depreciation |
| Length (m) | Numeric(6) | Valuation, depreciation |
| Width (m) | Numeric(3) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Roadstrip Surface Type codes** | |  |
| **Code** | **Description** |
| A | Asphalt |
| S | Spray Sealed |
| U | Unsealed |
| O | Other |

# Unsealed Network

### [Outback Road Map](https://traffic.sa.gov.au)

## Bores

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Bore name | Alpha Numeric(50) | Identification |
| Depth (m) | Numeric(5) | Valuation, depreciation |
| Diameter (mm) | Numeric(4) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Dam

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Dam name | Alpha Numeric(50) | Identification |
| Area (m2) | Numeric(6) | Valuation, depreciation |
| Lined | Domain Y or N fixed selection | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

## Grid (Unsealed Network)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Station | Alpha Numeric(50) | Identification |
| Type | Coded | Valuation, depreciation |
| Base | Coded | Valuation, depreciation |
| Length (m) | Numeric(3,1) | Valuation, depreciation |
| Width (m) | Numeric(3,1) | Valuation, depreciation |
| Number of Spans | Numeric(1) | Valuation, depreciation |
| Number of Steels | Numeric(3) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type codes** | |  | **Base codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Aprilla |  | 1 | Poured Concrete |
| 2 | Rocla |  | 2 | Culvert |
| 3 | Gridrite |  | 99 | Other |
| 99 | Other |  |  |  |

## Floodways

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Base Type | Coded | Valuation, depreciation |
| Length (m) | Numeric(3) | Valuation, depreciation |
| Width (m) | Numeric(3,1) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Base Type codes** | |  |
| **Code** | **Description** |
| 1 | Clay |
| 2 | Concrete |
| 3 | Gravel |
| 4 | Sealed |
| 5 | Stabilised |
| 6 | Unstabilised |
| 99 | Other |

## Campsites

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Campsite name | Alpha Numeric(50) | Identification |
| Area (m2) | Numeric(6) | Valuation, depreciation |
| Length (m) | Numeric(3) | Valuation, depreciation |
| Width (m) | Numeric(3) | Valuation, depreciation |
| Access Rd Sheeted | Domain Y or N fixed selection | Valuation, depreciation |
| Campsite Sheeted | Domain Y or N fixed selection | Valuation, depreciation |
| Ramp | Domain Y or N fixed selection | Valuation, depreciation |
| Wash Down bay | Domain Y or N fixed selection | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polygon | Geographic location |

## Maintenance Turn Around

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Current Condition | Coded | Data relationship, Valuation, costs |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

# Structures Manager

### [Structures Map](https://dpti.geohub.sa.gov.au/portal/sharing/oauth2/authorize?canHandleCrossOrgSignin=true&client_id=arcgisonline&response_type=token&state=%7B%22portalUrl%22%3A%22https%3A%2F%2Fdpti.geohub.sa.gov.au%2Fportal%22%7D&expiration=20160&redirect_uri=https%3A%2F%2Fdpti.geohub.sa.gov.au%2Fportal%2Fapps%2Fwebappviewer%2Findex.html%3Fid%3D0fb670ddf6924865873742dcc8322461&redirectToUserOrgUrl=true)

## Bridge

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Class | Alpha Numeric(20) | Identification |
| Structure Type | Alpha Numeric(20) | Identification |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Length (m) | Numeric(5,1) | Valuation, depreciation |
| Structure Width (m) | Numeric(4,1) | Valuation, depreciation |
| Max Height | Numeric(4,1) | Over-dimensional loads movement |
| Max Pier Height | Numeric(4,1) | Over-dimensional loads movement |
| Number of Spans | Numeric(2) | Maintenance/AMP |
| Maximum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Minimum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Fill Height | Numeric(4,1) | Valuation, depreciation |
| No of Expansion Joints | Numeric(3) | Maintenance |
| No of Fixed Joints | Numeric(3) | Maintenance |
| General Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |

## Major Culvert

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Class | Alpha Numeric(20) | Identification |
| Structure Type | Alpha Numeric(20) | Identification |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Length (m) | Numeric(4,1) | Valuation, depreciation |
| Structure Width (m) | Numeric(4,1) | Valuation, depreciation |
| Max Pier Height | Numeric(4,1) | Over-dimensional loads movement |
| Number of Spans | Numeric(2) | Maintenance/AMP |
| Maximum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Minimum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Fill Height | Numeric(4,1) | Valuation, depreciation |
| No of Fixed Joints | Numeric(3) | Maintenance |
| General Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Busway Track

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Length (m) | Numeric(4) | Valuation, depreciation |
| Structure Width (m) | Numeric(3) | Valuation, depreciation |
| General Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

## Tunnel

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Length (m) | Numeric(4) | Valuation, depreciation |
| Structure Width (m) | Numeric(3) | Valuation, depreciation |
| Number of Spans | Numeric(4) | Maintenance/AMP |
| Maximum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| General Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

## Gantry

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Class | Alpha Numeric(20) | Identification |
| Structure Type | Alpha Numeric(20) | Identification |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Width (m) | Numeric(3) | Valuation, depreciation |
| Max Height | Numeric(4,1) | Over-dimensional loads movement |
| Number of Spans | Numeric(2) | Maintenance/AMP |
| Maximum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Minimum Span Length (m) | Numeric(4,1) | Heavy Load Movement |
| Fill Height | Numeric(4,1) | Valuation, depreciation |
| Gantry Type | Coded | Data relationship, valuation, costs |
| Gantry Aspect | Alpha Numeric(20) | Data relationship, valuation, costs |
| Sign Type | Alpha Numeric(30) | Data relationship, valuation, identification |
| Portal Column to Column width (m) | Numeric(3,1) | Over-dimensional loads movement |
| Portal vertical clearance (on left) (m) | Numeric(3,1) | Over-dimensional loads movement |
| Portal vertical clearance (on right) (m) | Numeric(3,1) | Over-dimensional loads movement |
| Cantilever vertical clearance (m) | Numeric(3,1) | Over-dimensional loads movement |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Gantry Type codes** | |  |
| **Code** | **Description** |
| 1 | Portal |
| 2 | Cantilever |
| 3 | Double Post (for CMS, VMS) |
| 4 | Single Post |
| 5 | Double Post |
| 6 | Single Post (for CMS, VMS) |
| 7 | Triple Post |
| 8 | Four Post |
| 9 | Mast Arm (for Traffic Signals) |

Example - Corrosion protection system consist of:

* Prime: Epoxy Zinc: Jotun Barrier (DFT 75 µm)
* Intermediate: Epoxy: Jotun Penguard Express MIO (DFT 200 µm)
* Finish: Polysiloxane: Jotun Hardtop Ultra (DFT 50 µm)

## Noise Wall

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Structure Name | Alpha Numeric(50) | Identification |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Structure Length (m) | Numeric(4) | Valuation, depreciation |
| Maximum Height (m) | Numeric(3,1) | Valuation, depreciation |
| General Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

## Safety Screen

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| BIS Plan Number | Alpha Numeric(10) | Data relationship |
| Type | Coded | Valuation, depreciation |
| Length (m) | Numeric(5) | Valuation, depreciation |
| Maximum Height (m) | Numeric(3,1) | Valuation, depreciation |
| Average Height (m) | Numeric(3,1) | Valuation, depreciation |
| Construction Year | Numeric(2) | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Polyline | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Base Type codes** | |  |
| **Code** | **Description** |
| 1 | Vertical |
| 2 | Canopy |

## Cattle Grid (Sealed Network)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Number of Spans | Numeric(2) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

# Electrical Assets

### [ITS & Traffic Signal – RITS Data Collection](https://dpti.geohub.sa.gov.au/portal/sharing/oauth2/authorize?canHandleCrossOrgSignin=true&client_id=arcgisonline&response_type=token&state=%7B%22portalUrl%22%3A%22https%3A%2F%2Fdpti.geohub.sa.gov.au%2Fportal%22%7D&expiration=20160&redirect_uri=https%3A%2F%2Fdpti.geohub.sa.gov.au%2Fportal%2Fapps%2Fwebappviewer%2Findex.html%3Fid%3D0c85358ce5c140d6993c6e74a107c5cb%2F&redirectToUserOrgUrl=true)

Note: Data for Luminaires and Poles installed at traffic signal and other road crossing sites to also be provided in Road Lighting EARLS Data Collection Template.

## Signal Controller

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Controller Type | Coded | Valuation, depreciation |
| Housing / Mounting | Coded | Valuation, depreciation |
| SCATS Modem | Coded | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Switched on Date | Date | Maintenance |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Yes or No fixed selection | Data relationship, valuation, costs |
| Auto/Manual | Domain  Auto or Manual fixed selection |  |
| Power Consumption (Watts) | Numeric (8) |  |
| Operating Voltage | Domain  LV or ELV fixed selection | Maintenance/AMP |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Software Version | Alpha Numeric(20) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Controller Type codes** | |  | **Housing / Mounting codes** | |
| A4 | ATSC4 (Aldridge) |  | **Code** | **Description** |
| 2 | ATSC4 (Aldridge) B |  | 1 | Base/Ground Mounted |
| 9 | ATSC4 (Aldridge) ELV |  | 2 | Pedestal Mounted |
| U1 | ATSC4 (Aldridge) ELV ICUPS |  | 3 | Pole Mounted |
| U | ATSC4 (Aldridge) ICUPS |  | 4 | Gantry Mounted |
| E | Eclipse (Tyco) |  | 5 | Barrier Mounted |
| B | Eclipse (Tyco) B |  | 6 | Bridge Mounted |
| 10 | Eclipse (Tyco) ELV |  | 99 | Other |
| U2 | ECUPS ATSC4 (Aldridge) |  |  |  |
| U3 | ECUPS ELV ATSC4 (Aldridge) |  | **SCATS Modem codes** | |
| G | GEC 104 |  | **Code** | **Description** |
| K | Koala Crossing Cabinet |  | PSTN | Public Switched Telephone Network |
| AI | ADD INSIGHT KOALA CROSSING |  | 3G | Mobile (3G) Only |
| A | PSC-A |  | ADSL | Asymmetric Digital Subscriber Line |
| C | PSC-C |  | 3G & ADSL | Asymmetric Digital Subscriber Line (ADSL) & Mobile |
| S | SHARED (with another site) |  | EW | Ethernet Wan |
| A4 | ATSC4 (Aldridge) |  | FIB | Fibre |
|  |  |  | BT | Bluetooth SD 1000 |
|  |  |  | 99 | Other |
|  |  |  |  |  |

## Switchboard

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Switchboard No | Alpha Numeric(12) | Asset Identification |
| Switchboard Type | Coded | Valuation, depreciate |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Connected Date | Date | Valuation, depreciate |
| No of Phases | Coded | Maintenance/AMP |
| In Ground | Domain Y or N fixed selection | Valuation, location |
| Antenna | Domain Y or N fixed selection | Maintenance |
| Fog Detector | Domain Y or N fixed selection | Maintenance |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Meter No | Alpha Numeric (12) |  |
| NMI | Alpha Numeric (12) | Identification (National Metering Identifier) |
| Current Condition | Coded | Valuation, depreciate |
| Asset Status | Coded | Maintenance/AMP |
| Removal Date | Date | Valuation, depreciation |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Switchboard Type codes** | |  | **No of Phases Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| A3 | PILLAR (GREY) |  | SP | Single Phase |
| A2 | PILLAR (BEIGE) |  | 3P | 3 Phase |
| A | PILLAR (GREEN) |  |  |  |
| B | BOX (STEEL GREEN) |  |  |  |
| MS | METERED SITE |  |  |  |
| S1 | STOBIE (GREY) |  |  |  |
| U | UNKNOWN |  |  |  |
| S2 | STOBIE (BLACK) |  |  |  |
| IS | X - INDIVIDUAL SUPPLY (IN-GROUND) |  |  |  |
| C2 | AT PDB SITE |  |  |  |
| MX | METERED SITE - (NON-LIGHTING) |  |  |  |
| C1 | TOP BOX |  |  |  |
| IG | SUBMERSIBLE |  |  |  |
| SS | STAINLESS STEEL (MARINE) |  |  |  |

## Electrical Poles

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| EARLS Pole No | Alpha Numeric(12) | Corresponds to existing decal on pole |
| Switchboard No | Alpha Numeric(12) | Identification of Parent Asset |
| RITS Site ID | Alpha Numeric (8) | Corresponds to existing decal for traffic signal site |
| RITS Pole No | Alpha Numeric (8) | Corresponds to existing decal on traffic signal pole |
| Pole Type | Coded | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Footing Type | Coded | Valuation, depreciation |
| Surrounding Surface | Coded | Maintenance contractual requirement |
| Height | Numeric(3,1) | Valuation, depreciate. |
| Near Overhead Power Lines | Domain Yes or No fixed selection | Safety and cost implications |
| Outreach Type | Coded | Valuation, depreciate. |
| Pole Make | Coded | Maintenance |
| Pole Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Pole Installation Date | Date | Valuation, depreciation |
| Pole Current Condition | Coded | Valuation, depreciation |
| Base Installation Date | Date | Valuation, depreciation |
| Base Vented | Domain Yes or No fixed selection | Valuation, depreciation |
| Base Current Condition | Coded | Valuation, depreciation |
| Base Comments | Alpha Numeric (255) | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

Note: \*Where road light fitted at a traffic signal site EARLS Pole No is required.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pole Type codes** | |  | **Controller Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| SB | Slip Base |  | SP | Single Phase |
| NOL | No Pole (luminaire only) |  | 3P | Three Phase |
| MTT | Municipal Tramways Trust |  |  |  |
| OTH | Galvanised Pole (Jetty Structure) |  | **Surrounding Surface codes** | |
| IA | Impact Absorbing |  | **Code** | **Description** |
| OCT | Solid |  | 1 | Hard |
| BB | Buried Base (not laser cut) |  | 2 | Soft / Vegetated |
| RB | Bridge Structure |  |  |  |
| UNK | Unknown |  | **Outreach Type codes** | |
| STD | Stobie & Long Pipe non Tariff |  | **Code** | **Description** |
| STC | Stobie & Long Pipe |  | 1 | None |
| STE | Impact Absorbing (Buried Base) ETSA type |  | 2 | Single |
| OC1 | Custom & Mast Arm (for camera) |  | 3 | Double |
| OCT3 | Solid (Hinged) |  | 4 | Quad |
| IA0 | Impact Absorbing (Ornamental) |  | MUL | Multiple (Shelters etc) |
| IA1 | Impact Absorbing (Buried Base) DTEI Type |  |  |  |
| C1 | Camera Pole 9m |  | **Pole Make codes** | |
| C2 | Camera Pole 12m |  | **Code** | **Description** |
| C3 | Camera Pole 15m |  | S | Stobie |
| B | Combo Signal on Pole |  | NON | No Make (not on pole) |
| C | Combo Signal on Mast Arm |  | CUS | Custom Built |
| W | COMMS Pole |  | U | Unknown |
| G | Gantry |  | ING | Ingal/EPS POLO |
| I | In-Ground Light |  | RIV | Riverton |
| M | Mast Arm |  | MET | Metbend |
| ITS | Other Equipment |  | JW | James Watt/Unipole |
| D | Pedestal |  | TAP | Taperline |
| X | Rail Crossing |  | VIC | Vicpole |
| CF | RLC – Camera and Flash |  | MTT | Metro Tramways Trust |
| R | RLC – Camera |  | NA | Not Applicable |
| F | RLC – Flash |  | ADC | A. D. Cootes |
| T1 | RLC – Data Access Pole |  | ART | ArtCraft |
| S | Stobie |  | JET | Custom (Jetty) |
| T | Stub |  | BRG | Custom (Bridge) |
| P | TS Pole |  | INT | Interpol (Tram Pole) |
| TB | Top Box |  | ALS | Allstrut |
| OER | Other |  | LC | Lightco |

## Lantern (Traffic Signals)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| RITS Site ID | Alpha Numeric (8) | Corresponds to existing decal for traffic signal site |
| Lantern Type | Coded | Valuation, depreciate. |
| Display Type | Coded | Valuation, depreciate. |
| No. of Aspects | Domain 1,2,3, fixed selection | Valuation, depreciate. |
| No. of Red Aspect | Domain 0,1,2,3, fixed selection | Valuation, depreciate. |
| No. of Yellow Aspect | Domain 0,1,2,3, fixed selection | Valuation, depreciate. |
| No. of Green Aspect | Domain 0,1,2,3, fixed selection | Valuation, depreciate. |
| No. of White Aspect | Domain 0,1,2,3, fixed selection | Valuation, depreciate. |
| Outreach Length | Numeric (3,1) | Valuation, depreciation |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Removal Date | Date | Valuation, depreciation |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Display Type codes** | |  | **Lantern Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| A | ARROW |  | 37 | LED 10.5V Aldridge 200mm |
| B | BUS |  | 39 | KRYPTON Aldridge 200mm |
| C | CYCLE |  | 40 | KRYPTON Aldridge 300mm |
| D | DISC |  | 41 | QUARTZ HALOGEN Aldridge 200mm |
| E | Emergency Vehicles |  | 42 | QUARTZ HALOGEN Aldridge 300mm |
| F | Arrow/Cross |  | 43 | 240 OTHERS 200mm |
| G | Timer/Ped |  | 44 | 240 OTHERS 300mm |
| I | Pavement (ON) |  | 45 | 240 Aldridge 200mm |
| I2 | Pavement (AM) |  | 46 | 240 SIEMENS 200mm |
| I3 | Pavement (PM) |  | 47 | 240 Aldridge 300mm |
| M | DISC/TRAM |  | 48 | 240 SIEMENS 300mm |
| P | PED |  | 6 | LED 10.5V Aldridge 300mm |
| S | A/A/DISC |  | 481 | LED BRAUMS SWARCO Housing ELV 200mm |
| T | TRAM |  | 124 | LED Pavement Light |
| W | D/D/ARROW |  | 65 | LED 42V ELV ATS 300mm |
| X | CROSS |  | 66 | LED 42V ELV ATS 200mm |
| A | ARROW |  | 125 | LED BRAUMS 200mm |
|  |  |  | 69 | LED 9V ATS 300mm |
|  |  |  | 70 | LED 9V ATS 200mm |
|  |  |  | 83 | LED BRAUMS 300mm |
|  |  |  | 94 | LED BRAUMS 42V ELV 200mm |
|  |  |  | 101 | LED BRAUMS 42V ELV 300mm |
|  |  |  | 477 | LED 240V ATS 200mm |
|  |  |  | 478 | LED 240V ATS 300mm |
|  |  |  | 80 | LED Dual Voltage ATS 200mm |
|  |  |  | 81 | LED Dual Voltage ATS 300mm |
|  |  |  | 482 | LED BRAUMS 240V 200mm Version 1 |
|  |  |  | 483 | LED BRAUMS 240V 300mm Version 1 |

## Push Buttons

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Type | Coded | Valuation, depreciate. |
| Button Shape | Coded | Valuation, depreciate. |
| Sensor Type | Coded | Valuation, depreciate. |
| Power Consumption (Watts) | Numeric (5) | Maintenance |
| Operating Voltage | Domain  LV or ELV fixed selection | Maintenance |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Removal Date | Date | Valuation, depreciation |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Button Type codes** | |  |
| **Code** | **Description** |
| 1 | AudioTactile Push Button |
| 2 | Cyclist Push Button |
| 3 | Push Button |
| 99 | Other |

## Camera

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Type | Coded | Valuation, depreciate. |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Yes or No fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (5) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Type codes** | |  |
| **Code** | **Description** |
| PTZ | Pan Tilt Zoom |
| FIX | Fixed |
| VID | Video Incident Detention |
| TID | Thermal Incident Detection |
| RSC | Red Light Speed |
| STC | Safety T Cam |
| PPC | Point to Point |
| 99 | Other |

## ITS Cabinet

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Cabinet Configuration | Coded | Valuation, depreciate. |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| RIST Site ID | Alpha Numeric (20) | Data Relationship |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Cabinet Configuration codes** | |  |
| **Code** | **Description** |
| 1 | Single Door |
| 2 | Double Door |
| 99 | Other |

## Power Distribution Board

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Switchboard ID | Alpha Numeric(20) | Identification, data relationship |
| Type | Coded | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Yes or No fixed selection | Data relationship, valuation, costs |
| Meter No | Alpha Numeric (12) |  |
| NMI | Alpha Numeric (12) | Identification (National Metering Identifier) |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Type codes** | |  |
| **Code** | **Description** |
| 1 | Metered Type A |
| 2 | Metered Double Door |
| 3 | Meter / Unmetered Switchboard |
| 99 | Other |

## Uninterruptable Power Supply

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Type | Coded | Valuation, depreciate. |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Type codes** | |  |
| **Code** | **Description** |
| 1 | ECUPS |
| 2 | ICUPS |
| 99 | Other |

## Detectors

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Data relationship |
| Type | Coded | Identification/valuation |
| Height (m) | Numeric(3,1) | Valuation, depreciate. |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Type codes** | |  |
| **Code** | **Description** |
| ABD | Arrester Bed Detector |
| AFD | Automatic Fire Detector |
| ANPR | Automatic Number Plate Recognition |
| AQD | Air Quality Detector |
| OHD | Over Height Detector |
| TLD | TIRTL Detectors |
| UAVD | Unauthorised Vehicle Detection |
| VSD | Vehicle Detection System |
| WED | Weather Detector |
| A | Advance |
| B | Bike |
| C | Count |
| P | Plus |
| Q | Queue |
| S | Stop Bar |
| T | Tram or Train |
| U | Bus |
| M | Microwave |

## Pump

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Must have unique ID to enter into our system |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric (8) | Corresponds to existing decal on switchboard |
| Type | Coded | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Asset Ownership |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Meter Number | Alpha Numeric (12) |  |
| NMI | Alpha Numeric (12) | Identification (National Metering Identifier) |
| Number of Pumps | Numeric (4) |  |
| Dual Power Supply | Domain Y or N fixed selection |  |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Pump Type codes** | |  |
| **Code** | **Description** |
| 1 | Pump |

## Jet Fan

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

## Generators

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Fuel Capacity (Litres) | Numeric(5) | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Yes or No fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (5) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

## Boom Barrier, Pedestrian Gate, Security Door

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Type | Coded | Asset details |
| Length (m) | Numeric(3,1) | Valuation, depreciation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Yes or No fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Type codes** | |  |
| **Code** | **Description** |
| BB | Boom Barrier |
| PG | Pedestrian Gate |
| SD | Security Door |

## Help Phone

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric | Unique identifier |
| Contractor ID | Alpha Numeric | Unique identifier |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Data relationship |
| Type | Coded | Identification/valuation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Communication Type | Coded | Maintenance/AMP |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| COM Line - Function | Coded |  |
| Line Service No. | Numeric (12) |  |
| Account No. | Numeric (12) |  |
| Call Number | Numeric (12) |  |
| Connection Date | Numeric (12) |  |
| IP Address | Numeric (12) |  |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type codes** | |  | **Communication Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| HLP | Help Phone |  | 3G | Cellular – 3G |
| OMP | Operational and Maintenance Phone |  | PSTN | PSTN |
| FIRE | Fire Phone |  | PABX | PABX |
| FO | Fibre Optic |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COM line – Function codes** | |  | **Metered domains** | |
| **Code** | **Description** |  | Value | Description |
| 1 | None |  | Y | Yes (metered, no solar) |
| 2 | ACTS |  | N | No (unmetered, no solar) |
| 3 | ACTS DIAL UP |  | S | Solar Unmetered |
| 4 | ALARM |  |  |  |
| 5 | AQUAVIEW |  |  |  |
| 6 | CCTV |  |  |  |
| 7 | EDAC |  |  |  |
| 8 | VOIP |  |  |  |
| 9 | GSM DATA SIM |  |  |  |
| 10 | PABX |  |  |  |

## Electronic Signs

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique ID allocated by DPTI |
| Contractor ID | Alpha Numeric(20) | Must have unique ID to enter into our system |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Type | Coded | Identification/valuation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (5) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Button Type codes** | |  | **Operating Voltage codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| ARC | Arrow/Cross |  | Y | Yes (metered, no solar) |
| AWS | Advance Warning Sign |  | N | No (unmetered, no solar) |
| CMS | Changeable Message Sign |  | S | Solar Unmetered |
| EB | Bus Excepted |  |  |  |
| EC | Expressway Closed |  |  |  |
| FFS | Fatality Free Day Sign |  |  |  |
| FSS | Flashing Speed Sign |  |  |  |
| GWTP | Give Way to Pedestrians |  |  |  |
| LUMS | Lane Use Management Signs |  |  |  |
| LUM | Lane Use Signs |  |  |  |
| MEL | Merge Left |  |  |  |
| NLT | No Left Turn |  |  |  |
| NOE | No Entry |  |  |  |
| NRT | No Right Turn |  |  |  |
| NUT | No U Turn |  |  |  |
| RC1 | Motorway Ramp Control |  |  |  |
| RCS | ITS Component of Outback Road Condition Sign |  |  |  |
| TIS | Travel Information Sign |  |  |  |
| TLWC | Turn Left With Care |  |  |  |
| TRWC | Turn Right With Care |  |  |  |
| TSS | Tunnel Status Sign (Obahn) |  |  |  |
| VMS | Variable Message Sign |  |  |  |
| VSS | Variable Speed Limit Sign |  |  |  |

## Bluetooth Data Collection Station

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric (20) | Unique ID allocated by system |
| Contractor ID | Alpha Numeric(20) | Must have unique ID to enter into our system |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Type | Coded | Identification/valuation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain | Data relationship, valuation, costs |
| Mounting Details | Alpha Numeric (20) | Asset details – eg Top of Cabinet, Inside Cabinet |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Button Type codes** | |  | **Operating Voltage codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Bluetooth |  | Y | Yes (metered, no solar) |
|  |  |  | N | No (unmetered, no solar) |
|  |  |  | S | Solar Unmetered |

## Pavement Lighting

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric (20) | Unique ID allocated by system |
| Contractor ID | Alpha Numeric(20) | Must have unique ID to enter into our system |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Power Supply From | Alpha Numeric(20) | Corresponds to existing decal on switchboard |
| Type | Coded | Identification/valuation |
| No. of Lights | Numeric (3 | Identification/valuation |
| Longitude | Numeric (12,6) | Location |
| Latitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Comments | Alpha Numeric (255) | Maintenance/AMP |
| Responsibility | Coded | Energy costing implications |
| Commissioned | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Decommissioned | Date | Valuation, depreciation |
| Asset Status | Coded | Maintenance/AMP |
| Metered | Domain Y or N fixed selection | Data relationship, valuation, costs |
| Power Consumption (Watts) | Numeric (8) |  |
| Manufacture Brand | Alpha Numeric(20) | Maintenance |
| Manufacture Model No. | Alpha Numeric(20) | Maintenance |
| Manufacture Serial No. | Alpha Numeric(20) | Maintenance |
| Manual (Knet link) | Alpha Numeric (10) | Maintenance |
| Shape | Polyline | Geographic location |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Pavement Lighting Type codes** | |  |
| **Code** | **Description** |
| 1 | Pavement |

## Electrical Pits

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric (20) | Unique ID allocated by system |
| Contractor ID | Alpha Numeric(20) | Must have unique ID to enter into our system |
| Parent | Alpha Numeric(20) | Data relationship, valuation, costs |
| Pit Purpose | Coded | Maintenance/AMP |
| Pit Material Type | Coded | Valuation, depreciate. |
| Lid Material Type | Coded | Valuation, depreciate. |
| Lid Type | Coded | Valuation, depreciate. |
| Manufacture Brand | Alpha Numeric(20) | Maintenance/AMP |
| Manufacturer Model No | Alpha Numeric(20) | Maintenance/AMP |
| Pit Size | Coded | Valuation, depreciate. |
| Installation Date | Date | Valuation, depreciation |
| Current Condition | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Responsibility | Coded | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Shape | Point | Geographic location |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pit Purpose Codes** | |  | **Material Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| 1 | Detector |  | 1 | Concrete |
| 2 | Traffic Signal |  | 2 | Metal |
| 3 | Road Lighting |  | 3 | Asbestos |
| 4 | ITS Communication |  | 4 | Plastic |
| 5 | ITS Electrical |  | 5 | Composite Fibre |
|  |  |  | 99 | Other |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pit Size Codes** | |  | **Lid Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| S | TS Single |  | 2 | Secure |
| D | TS Double |  | 3 | Lockable |
| 2 | P2 |  |  |  |
| 4 | P4 |  |  |  |
| 6 | P6 |  |  |  |
| 7 | P7 |  |  |  |

### [Road Lighting – EARLS Data Collection](https://dpti.geohub.sa.gov.au/portal/apps/webappviewer/index.html?id=cfd3aef600734df79f6863e152bb6b5b)

## Asset Status

Asset Status for Road Lighting – EARLS Data Collection

|  |  |
| --- | --- |
| * Code | * Description |
| Connected | Luminaire is Connected and in use |
| Active | Switchboard is Active and in use |
| Reserved | Asset number has been reserved for future install |
| Removed | Asset no longer exists |
| Renumbered | Existing asset has been renumbered |
| Disconnected | Asset disconnected but not removed |
| Pending | Asset pending installation |

## Switchboard (EARLS – Road Lighting)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| Switchboard No | Alpha Numeric(12) | Asset Identification |
| Switchboard Type | Coded | Valuation, depreciate |
| Latitude | Numeric (12,6) | Location |
| Longitude | Numeric (12,6) | Location |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet Number | Numeric | Maintenance/AMP |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| In Ground | Domain | Maintenance/AMP |
| Antenna | Domain | Maintenance/AMP |
| Fog Detector | Domain | Maintenance/AMP |
| Connected On | Date | Valuation, depreciate |
| Number of Phases | Coded | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Condition | Coded | Valuation, depreciate |
| Removal Date | Date | Valuation, depreciation |
| Meter ID | Alpha Numeric(12) |  |
| Meter Number | Alpha Numeric(12) | Utility Reference |
| National Metering ID | Numeric(10-1) | Energy Billing |
| RITS Site ID | Alpha Numeric(20) | System Cross Reference |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Switchboard Type codes** | |  | **No of Phases Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| A3 | PILLAR (GREY) |  | SP | Single Phase |
| A2 | PILLAR (BEIGE) |  | 3P | 3 Phase |
| A | PILLAR (GREEN) |  |  |  |
| B | BOX (STEEL GREEN) |  |  |  |
| MS | METERED SITE |  |  |  |
| S1 | STOBIE (GREY) |  |  |  |
| U | UNKNOWN |  |  |  |
| S2 | STOBIE (BLACK) |  |  |  |
| IS | X - INDIVIDUAL SUPPLY (IN-GROUND) |  |  |  |
| C2 | AT PDB SITE |  |  |  |
| MX | METERED SITE - (NON-LIGHTING) |  |  |  |
| C1 | TOP BOX |  |  |  |
| IG | SUBMERSIBLE |  |  |  |
| SS | STAINLESS STEEL (MARINE) |  |  |  |

## Electrical Poles (EARLS – Road Lighting)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| EARLS Pole No | Alpha Numeric(12) | Corresponds to decal on pole |
| SAPN Pole ID | Alpha Numeric(12) | Unique identifier |
| Switchboard No | Alpha Numeric(12) | Identification of Parent Asset |
| RITS Site ID | Alpha Numeric (8) | Corresponds to decal for traffic signal site |
| RITS Pole No | Alpha Numeric (8) | Corresponds to decal on traffic signal pole |
| Pole Type | Coded | Valuation, depreciation |
| Footing Type | Coded | Valuation, depreciation |
| Surrounding Surface | Coded | Maintenance contractual requirement |
| Tariff Type | Coded | Billing, costing implications |
| Pole Make | Coded | Maintenance |
| Last Installation Date | Date | Valuation, depreciation |
| Drawing No | Alpha Numeric (8) | Asset details |
| Sheet No | Alpha Numeric (8) | Asset details |
| Contract No | Alpha Numeric (20) | Maintenance Contract No |
| Latitude | Numeric (12,6) | Location |
| Longitude | Numeric (12,6) | Location |
| Outreach Type | Coded | Valuation, depreciate. |
| Height | Numeric(3,1) | Valuation, depreciate. |
| Near Overhead Power Lines | Domain Yes or No fixed selection | Safety and cost implications |
| Cell 5g | Domain Yes or No fixed selection | Safety |
| Funding Responsibility | Coded | Billing |
| Pole Responsibility | Coded | Billing |
| Contribution Payee | Council | Billing |
| Asset Status | Coded | Maintenance/AMP |
| Current Condition | Coded | Valuation, depreciation |
| Pole Removal Date | Date |  |
| Green Tilt | Domain Yes or No fixed selection | Valuation, depreciation |
| Dect Housing | Domain Yes or No fixed selection | Valuation, depreciation |
| Second Dect Housing | Domain Yes or No fixed selection | Valuation, depreciation |
| Auto Manual | Domain Yes or No fixed selection | Valuation, depreciation |
| Pole Comments | Alpha Numeric (255) | Maintenance/AMP |
| Base Number | Same as EARLS Pole No |  |
| Base Installation Date | Date | Valuation, depreciation |
| Base Vented | Domain Yes or No fixed selection | Valuation, depreciation |
| Base Current Condition | Coded | Valuation, depreciation |
| Base Removal Date | Date |  |
| Base Comments | Alpha Numeric (255) | Maintenance/AMP |
| Shape | Point | Geographic location |

Note: \*Where road light is fitted at a traffic signal site RITS Site ID and RITS Pole No are required.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pole Type codes** | |  | **Footing Type codes** | |
| **Code** | **Description** |  | **Description** | |
| SB | Slip Base |  | 1 | Squat |
| NOL | No Pole (luminaire only) |  | 2 | Piled |
| S | Stobie |  | 3 | Bridge/Structure |
| STD | Stobie & Long Pipe non Tariff |  | 4 | Other |
| STC | Stobie & Long Pipe |  |  |  |
| OTH | Galvanised Pole (Jetty Structure) |  | **Surrounding Surface codes** | |
| IA | Impact Absorbing |  | **Code** | **Description** |
| OCT | Solid |  | 1 | Hard |
| BB | Buried Base (not laser cut) |  | 2 | Soft / Vegetated |
| RB | Bridge Structure |  |  |  |
| UNK | Unknown |  | **Outreach Type codes** | |
| OC1 | Custom & Mast Arm (for camera) |  | **Code** | **Description** |
| OCT3 | Solid (Hinged) |  | 1 | None |
| STE | Impact Absorbing (Buried Base) ETSA type |  | 2 | Single |
| IA0 | Impact Absorbing (Ornamental) |  | 3 | Double |
| IA1 | Impact Absorbing (Buried Base) DTEI Type |  | 4 | Quad |
| C1 | Camera Pole 9m |  | MUL | Multiple (Shelters etc) |
| C2 | Camera Pole 12m |  |  |  |
| C3 | Camera Pole 15m |  | **Pole Make codes** | |
| B | Combo Signal on Pole |  | **Code** | **Description** |
| C | Combo Signal on Mast Arm |  | S | Stobie |
| W | COMMS Pole |  | NON | No Make (not on pole) |
| G | Gantry |  | CUS | Custom Built |
| I | In-Ground Light |  | U | Unknown |
| M | Mast Arm |  | ING | Ingal/EPS POLO |
| ITS | Other Equipment |  | RIV | Riverton |
| D | Pedestal |  | MET | Metbend |
| X | Rail Crossing |  | JW | James Watt/Unipole |
| CF | RLC – Camera and Flash |  | TAP | Taperline |
| R | RLC – Camera |  | VIC | Vicpole |
| F | RLC – Flash |  | MTT | Metro Tramways Trust |
| T1 | RLC – Data Access Pole |  | NA | Not Applicable |
| T | Stub |  | ADC | A. D. Cootes |
| P | TS Pole |  | ART | ArtCraft |
| OER | Other |  | JET | Custom (Jetty) |
| MTT | Municipal Tramways Trust |  | BRG | Custom (Bridge) |
|  |  |  | INT | Interpol (Tram Pole) |
| **Tariff Type codes** | |  | ALS | Allstrut |
| **Code** | **Description** |  | LC | Lightco |
| CLER | Energy Only |  |  |  |
| CLER |  | **Funding Responsibility codes** | |
| Metered | Metered |  | **Code** | **Description** |
| SAPN | PLC |  | National | National Hwy/Road |
| SLUOS |  | State | State Hwy/Road |
| SAPN |  | Unassigned | Local Council Road |
| TFI |  |  |  |
| Unassigned | Council |  | **Pole Responsibility codes** | |
|  |  |  | **Code** | **Description** |
|  |  |  | TSA (State) |  |
|  |  |  | Council | Council Light |
|  |  |  | Unassigned | Other |

## Luminaries (EARLS - Road Lighting)

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Dept Asset ID | Alpha Numeric(20) | Unique identifier |
| Contractor ID | Alpha Numeric(20) | Unique identifier |
| EARLS Lum ID | Alpha Numeric(20) | Unique identifier |
| SAPN Lum ID | Alpha Numeric(20) | Unique identifier |
| Pole Asset ID | Alpha Numeric(20) | Data relationship, valuation, costs |
| Circuit Number | Alpha Numeric(20) | Data relationship, valuation, costs |
| Phase | Coded | Valuation, depreciation |
| Luminaire Type | Coded | Valuation, depreciation |
| Make | Coded | Valuation, depreciation |
| Model No | Alpha Numeric(20) | Valuation, depreciation |
| Connected Date | Date | Valuation, depreciation |
| Warranty Type | Coded | Valuation, depreciation |
| Warranty Expiry | Date |  |
| Smart Light | Domain Y or N fixed selection | Valuation, depreciation |
| Latitude | Numeric (12,6) | Location |
| Longitude | Numeric (12,6) | Location |
| Outreach Length | Numeric (3,1) | Valuation, depreciate. |
| Council Contribution Rate | Coded | Billing |
| Lens Type | Coded | Valuation, depreciation |
| Backshield | Domain Y or N fixed selection | Valuation, depreciation |
| Colour Temperature | Coded | Valuation, depreciation |
| Controller Type | Coded | Valuation, depreciation |
| Comments | Alpha Numeric(255) | Maintenance/AMP |
| Asset Status | Coded | Maintenance/AMP |
| Current Condition | Coded | Valuation, depreciate |
| Removal Date | Date | Valuation, depreciation |
| Shape | Point | Geographic location |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Make Type Code** | |  | **Lens Type Codes** | |  | **Control Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |  | **Code** | **Description** |
| A | Aldridge ATS |  | LEN1 | Aero Screen |  | PE | Photo Electric |
| GEC | GEC |  | LEN2 | Optispan Standard |  | SP | Shorting Plug |
| PEC | Pecan |  | LEN3 | Semi Cut Off |  | SC | Smart Cell |
| GER | Gerard |  | LEN4 | Type 2 (Side Throw) |  | D | Direct |
| PHIL | Phillips |  | LEN5 | Type 3 (Forward Throw) |  |  |  |
| REX | Rexel |  | LEN6 | Optima |  | **Colour Temperature** | |
| SYL | Sylvania |  | LEN7 | Roadster |  | 3000K | |
| OSR | Osram |  | LEN8 | Boston 3 |  | 4000K | |
| IBI | Rainbird |  |  |  |  | 4200K | |
| THO | Thorn |  | **Phase Codes** | |  | 5000K | |
| GT | GreenThinking solar |  | RED | Red |  | 7000K | |
| L1 | Lamptech/Gigaterra |  | WHITE | White |  |  | |
| MO | Moonlighting – Cellite |  | BLUE | Blue |  | **Warrantee Type** | |
| LED1 | Unilumin |  |  |  |  | On Pole | |
| LED2 | LRL |  | **Council Contribution Rate** | |  | Luminaire Only | |
| V2 | Versalux |  | **Code** | **Description** |  | Other | |
| W1 | WE-EF |  | 0 | Only lighting road |  |  | |
| P1 | Pierlite |  | 50 | Partially lighting path, carpark, bustop, etc |  |  |  |
|  |  |  | 100 | Council Light |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Luminaire Type codes** | |  | **Luminaire Type codes** | |
| **Code** | **Description** |  | **Code** | **Description** |
| D040 | Led 198W Aldridge ALS 162 LED |  | D242 | Led 80W Gerard RoadLED Midi |
| D040S | Led 198W Aldridge ALS 162 LED (SAPN) |  | D243 | Led 150 Gerard RoadLED Midi |
| D048 | Led 70W Unilumen UNISTWF-0008 |  | D244 | Led 7.5W Green Frog Stealth |
| D049 | Led 150W Unilumen UNISTAA-02-01 |  | D600 | LED 60W Solar |
| D051 | Led 240W Unilumen UNISTAA-04-01 |  | D601 | LED 95W Solar |
| D057 | Led 48W WE-EF ASP530 24 LED 700mA |  | SOLAR | Solar Light - No Tariff |
| D071 | Led 24W WE-EF ASP530 12 LED 700mA |  | F20 | FLUORESCENT 20W |
| D078 | Led 158W Pecan Lighting NXT-72M |  | F2X20 | FLUORESCENT 2 X 20W |
| D080 | Led 150W Lamptech META 150 |  | F2X40 | FLUORESCENT 2 X 40W |
| D093 | Led 42WPecan Lighting NXT36S 350 |  | F40 | FLUORESCENT 40W |
| D101 | Led 17W Sylvania StreetLED |  | F4X40 | FLUORESCENT 4 X 40W |
| D101S | Led 17W Sylvania StreetLED (SAPN) |  | L18 | SODIUM 18W LP |
| D105 | Led 37W Gerard Lighting Sylvania StreetLED |  | L26 | SODIUM 26W LP |
| D108 | Led 60W Gerard Lighting Sylvania RoadLED |  | L55 | SODIUM 55W LP |
| D108S | Led 60W Gerard Lighting Sylvania RoadLED (SAPN) |  | L90 | SODIUM 90W LP |
| D109 | Led 80W Gerard Lighting Sylvania RoadLED |  | L135 | SODIUM 135W LP |
| D109S | Led 80W Gerard Lighting Sylvania RoadLED (SAPN) |  | S50 | SODIUM 50W HP |
| D113 | Led 175W Gerard Lighting Sylvania RoadLED |  | S70 | SODIUM 70W HP |
| D114 | Led 200W Gerard Lighting Sylvania RoadLED |  | S100 | SODIUM 100W HP |
| D121 | Led 60W Aldridge Aero P-Led |  | S150 | SODIUM 150W HP |
| D121S | Led 60W Aldridge Aero P-Led (SAPN) |  | S250 | SODIUM 250W HP |
| D122 | Led 105W Aldridge ALS 105/108 |  | S400 | SODIUM 400W HP |
| D122S | Led 105W Aldridge ALS 105/108 (SAPN) |  | S400F | SODIUM 400W HP FLOOD |
| D123 | Led 298W Aldridge ALS216/298 |  | M50 | MERCURY 50W |
| D125 | Led 53W Pecan Lighting NXT48M 350 |  | M80 | MERCURY 80W |
| D135 | Led 35W Pecan Lighting LRL NXT24S450 |  | M100 | MERCURY 100W |
| D138 | Led 14W Gerard Lighting Sylvania StreetLED |  | M125 | MERCURY 125W |
| D138S | Led 14W Gerard Lighting Sylvania StreetLED (SAPN) |  | M250 | MERCURY 250W |
| D170 | Led 17W Gerard Lighting Modular |  | M400 | MERCURY 400W |
| D224 | Led 187W Gerard Astro 1787 Floodlight |  | M400F | MERCURY 400W FLOOD |
| D225 | Led 60W Gerard RoadLED Midi |  | CMT0 | CMT 100W EX/U Cera lamp |
| D225S | Led 60W Gerard RoadLED Midi (SAPN) |  | CMT1 | CMT 150W EX/HOR Cera lamp |
| D226 | Led 80W Gerard RoadLED Midi |  | CMT2 | CMT 250W EX/HOR Cera lamp |
| D226S | Led 80W Gerard RoadLED Midi (SAPN) |  | LP | Long Pipe |
| D228 | Led 120W Gerard RoadLED Midi |  | NAV | Navigation Light (on Bridge) |
| D228S | Led 120W Gerard RoadLED Midi (SAPN) |  | NICE | Decorative Non-Road Light |
| D230 | Led 150W Gerard RoadLED Midi |  | ROPE | Decorative Rope Light |
| D230S | -Led 150W Gerard RoadLED Midi (SAPN) |  | UNKN | UNKNOWN |

Note: \*Where SAPN or TFI tariff designated with LED, luminaire type with ‘S’ suffix to be selected.

## Smart Cells

|  |  |  |
| --- | --- | --- |
| Attribute | Format | Why it is required and where it will be used |
| Smart Cell Id | Alpha Numeric(20) | Unique ID allocated by DIT |
| Luminaire Id | Alpha Numeric(20) | Unique ID per drawings |
| Manufacturer Brand | Domain | Maintenance/AMP |
| Manufacturer Part No | Alpha Numeric(20) | Maintenance/AMP |
| Supplier | Alpha Numeric(20) | Maintenance/AMP |
| Supplier Part No | Alpha Numeric(20) | Maintenance/AMP |
| Mac Id | Alpha Numeric(20) | Maintenance/AMP |
| Network Id | Alpha Numeric(20) | Maintenance/AMP |
| Dimming Protocol | Alpha Numeric(20) | Maintenance/AMP |
| Installation Date | Date | Valuation, depreciation |

|  |  |  |
| --- | --- | --- |
|  | **Manufacturer Brand Domain** |  |
| **Domain** |
| Cimcom |
| Itron |
| Telensa |
| TST |

* **Other Assets Types**

A preliminary list of other assets that maybe added to this Specification in a future revision are:

* Pavement Marking: as per traffic layout drawings
* Medians: Butterfly, interchange arrangements, roundabouts, kerb ramps
* Geotechnical: rock netting, soil nails etc
* ITS Monitoring systems, underground cabling