

PART M18**ASSET DATA COLLECTION****CONTENTS**

1. General
2. Data Attribution

Attachment 1: Data Attributes

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1. GENERAL

This Part 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.

1.1 Guiding Principles

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.

1.2 Flexibility and Innovation

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.

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.

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

2. DATA ATTRIBUTION**2.1 Asset Condition and Defects**

Data attributes related to maintenance works, condition, or defects on assets will be provided in a form of Maintenance Defect Register (MDR). The unique identifier of each asset is required to connect assets to the MDR information.

2.2 Geographic Location

Asset classes are represented 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. Latitude must be shown as a negative number.

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.

2.3 Asset Types

For all Asset types.

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.

Point Assets

A point asset is a single point in geographical space.

Linear (Polyline) Assets

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

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

2.4 Data Model

Parent Child Relationships

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

2.5 Asset Identifiers

Two unique asset identifiers must be recorded for each asset.

The Principal and the Contractor will each assign their own unique identifier for each asset and these will be recorded in the Asset Register.

The Principal's Asset ID is generated by the Asset Management system to ensure uniqueness. The Contractor must store this identifier in their system.

The Contractor must assign a unique asset identifier. The Contractor's identifier must begin with the contract number "YYCNNN-xxxxxx".

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 Principal's Asset ID must be null (empty); Contractor ID must be supplied; The Principal's 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 Principal's 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 Principal's 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 Principal's Asset ID must be supplied; Contractor ID must be supplied.

2.6 Asset Condition

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.

1	New	As new.
2	Good	No corrosion or other deterioration.
3	Average	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	Unserviceable	Deteriorated to extent that structural integrity is severely affected (e.g. severely corroded rail, spalled concrete posts, deteriorated timber components).

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

2.7 Asset Status

The status of Assets is defined by the following table:

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

Decommissioning or removal dates are to be added to the comments field for any decommissioned or removed asset where this data is missing.

ATTACHMENT 1**DATA ATTRIBUTES**

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

1. Sign posts

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SP-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Number of Posts	Numeric(1)	1, 2, 3 or 4 fixed selection	Valuation, depreciation
Post Size	Coded	As per table, fixed selection	Valuation, depreciation
Frangible	Domain	Y or N fixed selection	Safety and cost implications
Footing Type	Coded	As per table, fixed selection	Maintenance/AMP
Coating Type	Coded	As per table, fixed selection	Maintenance/AMP
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Post Size	
Code	Description
1	Steel 80x40
2	Circular50
3	Circular80
4	Circular90
5	Circular100
6	Circular125
7	Aluminium Frangible50
8	Aluminium Frangible65
9	Aluminium Frangible80
10	Aluminium Frangible90
11	Aluminium Frangible100
12	Steel I Beam Slip Base Posts
14	Timber Posts
15	Star Dropper
17	Steel-Flex
18	Poly-flex
99	Other

Footing Type	
Code	Description
1	Rubble
2	Sleeved
3	Concreted
4	Bolted
99	Other

Coating Type	
Code	Description
1	Galvanized
2	Painted
3	Powder Coated
99	Other

2. Signs

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SI-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset - Post\ Structure\ Bridge\ Weigh Station\ Gantry etc	Data relationship, valuation, costs
Sign Type	Coded	As per table, fixed selection	Valuation, depreciation
Sign Code	Alpha Numeric(15)	R1-1A	Type, Size, cost, value
TES Number	Alpha Numeric(15)	TES 16838 (L)	Type, Size, cost, value
Height (mm)	Numeric(5)	200	Valuation, depreciation
Width (mm)	Numeric(5)	400	Valuation, depreciation
Message	Alpha Numeric(255)	"KEEP LEFT"	Clarity of purpose for all data users.
Dynamic Type	Domain	As per table, fixed selection	Statutory requirements
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Anti-graffiti Coating	Domain	Y or N fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Date of Manufacture	Date	DD/MM/YYYY	To validate warranty
Warranty	Numeric(2)	5 (yrs)	AM Warranty obligations
Current Condition	Coded	As per table, fixed selection	Valuation, depreciate
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciate
Shape	Point		Geographic location

Sign Type codes	
Code	Description
1	Regulatory
2	Warning
3	Guide
4	Hazard
5	Tourist
6	Service
7	Information
8	Directional
9	Maintenance Marker
99	Other

Dynamic Type domain
Static
CMS
VMS*
Static & Lights

Material Type code	
Code	Description
1	Aluminium
2	Polycarbonate

Note: Clearway signs are also to be entered

*Examples of VMS:

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

3. Safety Barrier

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SB-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Safety Barrier Type	Coded	As per table, fixed selection	Type, Valuation, depreciation
Type of Post	Domain	As per table, fixed selection	Valuation, depreciation
Post Spacing (m)	Numeric(3,1)	2	Valuation, depreciation
Length (m)	Numeric(5)	20	Valuation, depreciation
Spacer Blocks	Domain	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Polyline		Geographic location

Safety Barrier Type Codes	
Code	Description
1	Backing Rail
2	Bridge Rail
3	Concrete
4	Thrie Beam
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

Type of Post domain
Timber
Steel
Concrete
Aluminium
Other

Spacer Blocks domain
None
Timber
Steel
Both
Other

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

4. Start/End Terminal

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SB-TE-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Safety Barrier	Data relationship, valuation, costs
Terminal	Domain (Start, End)	Start, End	Data relationship, valuation, costs
Terminal Type	Coded	As per table, fixed selection	Type, Valuation, depreciation
Length (m)	Numeric(3)	20	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Terminal Type codes	
Code	Description
1	Melt
2	BCT
3	SKT
4	ET2000Plus
5	FLEAT
6	TREND 350
8	X-Tension
9	Fishtail
10	Energy Absorbing End Terminal

Terminal Type codes	
Code	Description
11	Driveway
12	QuadGuard
13	TRACC
14	Universal TAU-II
15	Smart Cushion
16	EAPTB Stobie Buffer
17	Treefend
18	RAPTOR
99	Other

5. Motor Cycle Protection

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SB-MC-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Safety Barrier	Data relationship, valuation, costs
Protection Type	Coded	As per table, fixed selection	Type, Valuation, depreciation
Length (m)	Numeric(3)	20	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

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

6. Drainage

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	DR-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Structure Type	Coded	As per table, fixed selection	Valuation, depreciation
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Number of Runs	Numeric(2)	10	Valuation, depreciation
Standard Culvert Dimensions (mm)	Domain	450x300	Valuation, depreciation
Non-Standard Width (mm)	Numeric(5)	450	Valuation, depreciation
Non-Standard Height (mm)	Numeric(5)	300	Valuation, depreciation
Non-Standard Diameter (mm)	Numeric(5)	1500	Valuation, depreciation
Length (m)	Numeric(5,1)	10	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Structure Type codes	
Code	Description
1	Pipe Culvert
2	Box Culvert
4	Subsoil Drain
5	Grate
6	Lined Drain
8	Swale
9	Bioretention Swale
10	Arch
11	Wetland
12	Sedimentation Basin
13	Detention Basin
14	Floodway
15	Spoon Drain
16	Kerb & Gutter
99	Other

Material Type codes	
Code	Description
1	Concrete - Precast
2	Galvanised
3	Steel (Corrugated)
4	Cast Iron
5	Other Plastic ,HDPE, PVC
6	Masonry
7	Concrete - Insitu
8	Aluminium
9	Earthenware
10	Vegetated
11	Rock
99	Other

Pipe Culvert Sizes Domain (mm)
Non-Standard
100 dia
150 dia
300 dia
375 dia
450 dia
525 dia
600 dia
675 dia
750 dia
825 dia
900 dia
1050 dia
1200 dia
1350 dia
1500 dia
1650 dia
1800 dia

Box Culvert Sizes Domain (mm)
300x225
450x300
600x300
600x450
900x300
900x600
1200x300
1200x600
1200x900
1200x1200
1500x600
1500x750
1500x900
1500x1200
1500x1500

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.

7. Inlet / Outlet / Junction

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	DR-IO -nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCINN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Drainage	Data relationship, valuation, costs
Inlet / Outlet	Domain (Inlet, Outlet, Junction)	Inlet, Outlet or Junction fixed selection	Data relationship, valuation, costs
Structure Type	Coded	As per table, fixed selection	Valuation, depreciation
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Lid Type	Coded	As per table, fixed selection	Valuation, depreciation
Size	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Structural Type code	
Code	Description
1	Headwall
2	SEP
3	Grate
4	SEP / Grate Combo
5	Field Gully
6	Junction Box
7	HUMeceptor
8	Stormceptor
9	Downstream Defender
10	EcoSol RSF 4000
11	Gross Pollution Trap
12	Trash Nets
13	Driveable Endwall
14	Dual Driveable Endwall
99	Other

Material Type codes	
Code	Description
1	Concrete
2	Masonry
3	Rip-Rap
4	Gabion
5	Cast Iron
99	Other

Lid Type codes	
Code	Description
1	Standard
2	Heavy Duty
3	Super Heavy Duty
99	Other

Sizes codes	
Code	Description
1	Single
2	Double
3	Triple

8. Fence / Gates

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	FE-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station etc, if applicable	Data relationship, valuation, costs
Fence Type	Coded	As per table, fixed selection	Valuation, depreciate
Length (m)	Numeric(3)	10	Valuation, depreciation
Average Height (m)	Numeric(3,1)	2.5	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Warranty (yrs)	Numeric(2)	5	AM Warranty obligations
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Fence Type codes	
Code	Description
1	Farm or Stock
2	Chainmesh
3	Pedestrian
4	Vermin Proof
5	Concrete Panel
6	Timber Panel
8	Security fence

Fence Type codes	
Code	Description
9	1200 Pedestrian Rail
10	600 Pedestrian Rail
11	Stock Gate
12	Pedestrian Gate
13	Security Gate
14	Motorised Security Gate
99	Other

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

9. Stack Site

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ST-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Size (m ²)	Numeric(6)	100	Size of asset
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

10. Borrow Pits

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BP-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Size (m ²)	Numeric(6)	100	Size of asset
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

11. Retaining Walls

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RW-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214200	Data relationship
Retaining Wall Type	Coded	As per table, fixed selection	Valuation, depreciate
Road Located	Coded	As per table, fixed selection	Maintenance/AMP
Length (m)	Numeric(3)	10	Valuation, depreciation
Average Height (m)	Numeric(3,1)	2.2	Valuation, depreciation
Maximum Height (m)	Numeric(3,1)	3.3	Maintenance/AMP
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Retaining Wall Type codes	
Code	Description
1	Concrete Block
2	Concrete Crib
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

Road Located codes	
Code	Description
1	At Base of Wall
2	At Top of Wall

12. Rest Areas

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Rest Area Type	Coded	As per table, fixed selection	Valuation, depreciation
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	200	Valuation, depreciation
Truck Parking	Domain	Y or N fixed selection	Maintenance/AMP
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

Rest Area Type codes	
Code	Description
1	Major Rest Area
2	Minor Rest Area
3	Truck Parking Bays
4	Truck Informal Parking

Rest Area Surface Type codes	
Code	Description
A	Asphalt
S	Spray Sealed
U	Unsealed
O	Other

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

13. Bins

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-BI-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station etc	Data relationship, valuation, costs
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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

14. Table

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-TA-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station	Data relationship, valuation, costs
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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

15. Seats

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-SE-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area	Data relationship, valuation, depreciation
Construction Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric (3,1)	5.5	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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

16. Shelter

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-SH-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station	Data relationship, valuation, costs
Size (m ²)	Numeric(6)	100	Valuation, depreciation
Construction Type	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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

17. Shed

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-SD-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of rest area etc	Data relationship, valuation, costs
Area (m ²)	Numeric(6)	100	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

18. Toilet Block

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-TB-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station etc	Data relationship, valuation, costs
Number of toilets	Numeric(2)	2	Valuation, depreciation
Toilet Connection Type	Coded	As per table, fixed selection	Valuation, depreciation
Disable Toilet Available	Domain	Y or N fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	100	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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

19. Water Tank

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RA-WT-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Rest Area\ Weigh Station	Data relationship, valuation, costs
Number of Tanks	Numeric(2)	2	Valuation, depreciation
Size (m ³)	Numeric(6)	2000	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

20. Help Phone

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric	PH-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric	YYCNNN-xxxxxx	Unique identifier
Power	Coded	As per table, fixed selection	Maintenance/AMP
Communication Type	Coded	As per table, fixed selection	Maintenance/AMP
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Power codes	
Code	Description
1	240V Metered
2	240V Unmetered
3	42V Metered
4	42V Unmetered
5	Solar
99	Other

Communication Type codes	
Code	Description
1	Cellular – 3G
2	PSTN
3	PABX
4	Fibre Optic
99	Other

21. Medians

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ME-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Median Type	Coded	As per table, fixed selection	Valuation, depreciation
Median Infill Type	Coded	As per table, fixed selection	Valuation, depreciation
Width (m)	Numeric(3,1)	2.4	Valuation, depreciation
Length (m)	Numeric(5)	9	Valuation, depreciation
Irrigation System	Domain	Y or N fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Council Maintained	Domain	Y or N fixed selection	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Median Type codes	
Code	Description
3	Kerbed
4	Barrier
5	No edge

Median Type codes	
Code	Description
1	Paved
2	Concrete
3	Asphalt
4	Synthetic Turf
5	Rubble
6	Grassed
7	Deciduous Trees
8	Mulched
9	Rocked Filled
10	Other Landscaping

22. Pathways

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	PW-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Pathway Type	Coded	As per table, fixed selection	Valuation, depreciation
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(5)	200	Valuation, depreciation
Width (m)	Numeric(3,1)	2.5	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Pathway Type codes	
Code	Description
1	Pedestrian
2	Shared Use
3	Bicycle
99	Other

Rest Area Surface Type codes	
Code	Description
A	Asphalt
S	Spray Sealed
U	Unsealed
P	Paved
C	Concrete
O	Other

Note: Add name of pathways into comments were applicable.

23. Bollards

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BL-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Material	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Material Codes	
Code	Description
1	Steel
2	Timber
3	Concrete
4	Removable Steel

Note: Key number for removable bollards added to comments.

24. Fire Hydrates

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	FH-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Last Tested Date	Date	DD/MM/YYYY	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

25. Wind Socks

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	WI-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Post Height (m)	Numeric (3,1)	5.5	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

26. Urban Art

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	UA-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Description	Alpha Numeric(255)		Identification
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

27. Arrestor Bed

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	AB-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	200	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

Arrestor Bed Surface Type codes	
Code	Description
1	Gravel
2	Other

28. Weigh Station

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	WS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Type	Domain	Bridge or Slab fixed selection	Valuation, depreciation
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	2000	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

Surface Type codes	
Code	Description
A	Asphalt
S	Spray Sealed
U	Unsealed
O	Other

29. Park and Ride

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	PR-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Park and Ride Type	Coded	As per table, fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	20000	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

Surface Type codes	
Code	Description
A	Asphalt
S	Spray Sealed
U	Unsealed
O	Other

Type codes	
Code	Description
1	Train
2	Tram
3	Bus

30. Rock Slopes

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SLP-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(6)	200	Valuation, depreciation
Height (m)	Numeric(3)	20	Valuation, depreciation
Average Angle (degrees)	Numeric(3)	30	Maintenance/AMP
KNet Report Number	Numeric(20)	1234524	Maintenance/AMP
Construction Date	Date	DD/MM/YYYY	Valuation, depreciation
Assessed Risk Level (ARL)	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Type codes	
Code	Description
1	Rock
2	Soil
3	Rock and Soil
99	Other

Assessed Risk Level codes	
Code	Description
1	Highest Risk
2	High Risk
3	Moderate Risk
4	Low Risk
5	Lowest Risk

31. Roadstrips

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	RS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Surface Type	Coded	As per table, fixed selection	Valuation, depreciation
Size (m ²)	Numeric(6)	2000	Valuation, depreciation
Length (m)	Numeric(6)	200	Valuation, depreciation
Width (m)	Numeric(3)	20	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Park and Ride Surface Type codes	
Code	Description
A	Asphalt
S	Spray Sealed
U	Unsealed
O	Other

32. Bores

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BO-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Depth (m)	Numeric(5)	100	Valuation, depreciation
Diameter (m)	Numeric(3,1)	5.5	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

33. Dam

Geographical data is required to show boundary and derive area.

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	DA-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Area (m ²)	Numeric(6)	100	Valuation, depreciation
Lined	Domain	Yes or No fixed selection	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

Note: Add name of dam into comments where applicable

34. Grids

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	GR-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Type	Coded	As per table, fixed selection	Valuation, depreciation
Base	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(3,1)	2.5	Valuation, depreciation
Width (m)	Numeric(3,1)	10.2	Valuation, depreciation
Number of Spans	Numeric(1)	2	Valuation, depreciation
Number of Steels	Numeric(3)	5	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Type codes	
Code	Description
1	Aprilla
2	Rocla
3	Gridrite
99	Other

Base codes	
Code	Description
1	Poured Concrete
2	Culvert
99	Other

35. Floodways

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	FW-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Base Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(3,1)	2.5	Valuation, depreciation
Width (m)	Numeric(3,1)	10.2	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	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

36. Campsites

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	CS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Area (m2)	Numeric(6)	100	Valuation, depreciation
Length (m)	Numeric(3,1)	2.5	Valuation, depreciation
Width (m)	Numeric(3,1)	10.2	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	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polygon		Geographic location

37. Maintenance Turn Arounds

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	MT-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Current Condition	Coded	As per table, fixed selection	Data relationship, Valuation, costs
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

38. Bridge

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BD-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214	Data relationship
Length (m)	Numeric(4)	50	Valuation, depreciation
Overall Width (m)	Numeric(3)	30	Valuation, depreciation
Kerb to Kerb Width (m)	Numeric(4,1)	25	Over-dimensional loads movement
Barrier to Barrier Width (m)	Numeric(4,1)	27	Over-dimensional loads movement
Clearance (m) (bridges over roads)	Numeric(4,1)	15	Over-dimensional loads movement
Construction Year	Date	DD/MM/YYYY	Valuation, depreciation
Design Standard	Coded	As per table, fixed selection	Maintenance/AMP Heavy Load Movement
Structure Analysis Flag	Coded	As per table, fixed selection	Heavy Load Movement
Number of Spans	Numeric(2)	5	Maintenance/AMP
Maximum Span Length (m)	Numeric(4,1)	20	Heavy Load Movement
Minimum Span Length (m)	Numeric(4,1)	15	Heavy Load Movement
Girder Type	Coded	As per table, fixed selection	Maintenance/AMP Heavy Load Movement
Girder Material Type	Coded	As per table, fixed selection	Maintenance/AMP Heavy Load Movement
Steel girder corrosion protection system	Alpha Numeric(255)	Provide details of corrosion protection system (See example)	Maintenance/AMP
Attached Services	Alpha Numeric(255)	Provide details of attached services	Maintenance/AMP
Current Condition	Numeric(5)	Bridge Health Index	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Design Standard codes	
Code	Description
1	Unknown
2	HLGD
3	HS20
4	T44 (1976)
5	T44 (1992)
6	SM1600
7	Rail
8	Austroads (AS5100)
9	Rail – Cooper E50
10	Higher Mass Limits
11	HS10
12	HS15

Structure Analysis Flag codes	
Code	Description
1	Simply Supported
2	Continuous
3	Both

Girder Material Type codes	
Code	Description
1	Concrete
2	Prestressed Concrete
3	Steel
4	Masonry
5	Timber
6	Iron
7	Plastic

Girder Type codes	
Code	Description
1	Beam
2	Truss
3	Slab
4	Box
5	Arch
6	Cable
7	Planks

Attached Services

Example – attached services details should include:

- Service type: communication, gas, power, water/sewer & other
- Number of services
- Location of service

i.e. 2 Electranet power cables suspended from deck between 2 and 3 girder from north

Steel girder corrosion protection system

Example - Steel girder 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)

39. Busway Track

Busway tracks are to be captured as linear assets

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BT-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214	Data relationship
Length (m)	Numeric(5)	3410	Valuation, depreciation
Construction Year	Date	DD/MM/YYYY	Valuation, depreciate
Current Condition	Numeric(5)	Bridge Health Index	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

40. Tunnel

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	TU-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214	Data relationship
Length (m)	Numeric(5)	100	Valuation, depreciate
Overall Width (m)	Numeric(4,1)	8.5	Valuation, depreciate.
Kerb to Kerb Width (m)	Numeric(4,1)	8.5	Over-dimensional loads movement
Barrier to Barrier Width (m)	Numeric(4,1)	8.5	Over-dimensional loads movement
Clearance (m)	Numeric(4,1)	4.5	Over-dimensional loads movement

Construction Year	Date	DD/MM/YYYY	Valuation, depreciate
Number of Spans	Numeric(4)	10	Maintenance/AMP
Corrosion Protection System	Alpha Numeric(255)	Provide details of corrosion protection system	Maintenance/AMP
Current Condition	Numeric(3)	Bridge Health Index	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location
For near surface tunnels under roads the following additional attributes required			
Structure Analysis Flag	Coded	As per table, fixed selection	Heavy Load Movement
Maximum Span Length (m)	Numeric(4,1)	5.5	Heavy Load Movement
Minimum Span Length (m)	Numeric(4,1)	2.5	Heavy Load Movement
Girder Type	Coded	As per table, fixed selection	Maintenance/AMP, Heavy Load Movement
Girder Material Type	Coded	As per table, fixed selection	Maintenance/AMP, Heavy Load Movement

Structure Analysis Flag codes	
Code	Description
1	Simply Supported
2	Continuous
3	Both

Girder Type codes	
Code	Description
1	Beam
2	Truss
3	Slab
4	Box
5	Arch
6	Cable
7	Planks

Girder Material Type codes	
Code	Description
1	Concrete
2	Prestressed Concrete
3	Steel
4	Masonry
5	Timber
6	Iron
7	Plastic

Corrosion protection system

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)

41. Gantry

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	GA-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214200	Data relationship
Gantry Type	Coded	As per table, fixed selection	Data relationship, valuation, costs
Length (m)	Numeric(3,1)	24.5	Valuation, depreciation
Portal Column to Column width (m)	Numeric(3,1)	6.5	Over-dimensional loads movement
Portal vertical clearance (on left) (m)	Numeric(3,1)	5.5	Over-dimensional loads movement
Portal vertical clearance (on right) (m)	Numeric(3,1)	5.5	Over-dimensional loads movement
Cantilever vertical clearance (m)	Numeric(3,1)	5.5	Over-dimensional loads movement
Construction Year	Date	DD/MM/YYYY	Valuation, depreciate
Corrosion protection system	Alpha Numeric(255)	Provide details of corrosion protection system	Maintenance/AMP
Current Condition	Coded	As per table, fixed selection	Valuation, depreciate
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

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)

42. Noise Wall

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	NW-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214	Data relationship
Material Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(5)	356	Valuation, depreciation
Maximum Height (m)	Numeric(3,1)	3.3	Valuation, depreciation
Average Height (m)	Numeric(3,1)	3.1	Valuation, depreciation
Construction Year	Numeric(2)	5 (yrs)	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Material Type codes	
Code	Description
1	Reinforced Concrete
2	Steel
3	Corten
99	Other

43. Safety Screen

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	SS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
BIS Plan Number	Alpha Numeric(10)	5214	Data relationship
Type	Coded	As per table, fixed selection	Valuation, depreciation
Length (m)	Numeric(5)	356	Valuation, depreciation
Maximum Height (m)	Numeric(3,1)	3.3	Valuation, depreciation
Average Height (m)	Numeric(3,1)	3.1	Valuation, depreciation
Construction Year	Numeric(2)	5 (yrs)	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Polyline		Geographic location

Type codes	
Code	Description
1	Vertical
2	Canopy

44. Signal Controller

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ITS-SC-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – ITS Cabinet	Data relationship, valuation, costs
Housing / Mounting	Coded	As per table, fixed selection	Valuation, depreciation
SCATS Modem	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Housing / Mounting codes	
Code	Description
1	Base/Ground Mounted
2	Pedestal Mounted
3	Pole Mounted
4	Gantry Mounted
5	Barrier Mounted
6	Bridge Mounted
99	Other

SCATS Modem codes		
Code	Description	RITS
1	Public Switched Telephone Network (PSTN)	PSTN
2	Mobile (3G)	3G
3	Asymmetric Digital Subscriber Line (ADSL)	ADSL
4	Ethernet Wan (EW)	EW
99	Other	

45. Switchboard

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ITS-SW-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Switchboard Type	Coded	As per table, fixed selection	Valuation, depreciate
Connected Date	Date	DD/MM/YYYY	Valuation, depreciate
Current Condition	Coded	As per table, fixed selection	Valuation, depreciate
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Switchboard Type Codes	
Code	Description
A3	PILLAR (GREY)
A2	PILLAR (BEIGE)
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)

46. Electrical Poles

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Signal Controller, Switchboard	Data relationship, valuation, costs
Pole Type	Coded	As per table, fixed selection	Valuation, depreciation
Footing Type	Coded	As per table, fixed selection	Valuation, depreciation
Surrounding Surface	Coded	As per table, fixed selection	Maintenance contractual requirement
Height	Numeric(3,1)	10.5	Valuation, depreciate.
Outreach Type	Coded	As per table, fixed selection	Valuation, depreciate.
Outreach Length	Numeric(3,1)	4.5	Valuation, depreciate.
Pole Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Pole Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Base Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Base Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Pole Type codes	
Code	Description
STB	Stobie Pole
SB	Slip Base
NOL	No Pole (luminaire only)
MTT	Municipal Tramways Trust
OTH	Galvanised Pole (Jetty Structure)
IA	Impact Absorbing
OCT	Solid
BB	Buried Base (not laser cut)
RB	Bridge Structure
UNK	Unknown
CM	Combo Signal on Mast Arm
CRT	Combo Signal on Pole
STD	Stobie & Long Pipe non Tariff
STC	Stobie & Long Pipe
STE	Impact Absorbing (Buried Base) ETSA type
OC1	Custom & Mast Arm (for camera)
OCT3	Solid (Hinged)
IA0	Impact Absorbing (Ornamental)
IA1	Impact Absorbing (Buried Base) DTEI Type
C1	Camera Pole 9m
C2	Camera Pole 12m
C3	Camera Pole 15m
B	Combo
C	Combo Mast Arm
W	COMMS Pole
G	Gantry
I	In-Ground Light
M	Mast Arm
ITS	Other Equipment
D	Pedestal
X	Rail Crossing
L	RL Pole
CF	RLC – Camera and Flash
R	RLC – Camera
F	RLC – Flash
T1	RLC – Data Access Pole
S	Stobie
T	Stub
P	TS Pole
TB	Top Box
OER	Other

Footing Type codes	
Code	Description
1	Squat
2	Piled
99	Other

Surrounding Surface codes	
Code	Description
1	Hard
2	Soft / Vegetated

Outreach Type codes	
Code	Description
1	None
2	Single
3	Double
4	Quod

Note: Pole may have two unique identification numbers. Enter traffic signal pole number followed by luminaire number, separated with comma.

47. Lanterns (Traffic Signals)

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-LT-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Electrical Pole, gantry etc,	Data relationship, valuation, costs
Display Type	Coded	As per table, fixed selection	Valuation, depreciate.
Size	Coded	As per table, fixed selection	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.
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Display Type codes	
Code	Description
A	ARROW
B	BUS
C	CYCLE
D	DISC
E	Emergency Vehicles
F	Arrow/Cross
G	Timer/Ped
I	Pavement (ON)
I2	Pavement (AM)
I3	Pavement (PM)
M	DISC/TRAM
P	PED
S	A/A/DISC
T	TRAM
W	D/D/ARROW
X	CROSS

Size codes	
Code	Description
37	LED 10.5V Aldridge 200mm
45	240 Aldridge 200mm
43	240 OTHERS 200mm
46	240 SIEMENS 200mm
70	LED 9V ATS 200mm
80	LED Dual Voltage ATS 200mm
66	LED 42V ELV ATS 200mm
94	LED BRAUMS 42V ELV 200mm
39	KRYPTON Aldridge 200mm
125	LED BRAUMS 200mm
41	QUARTZ HALOGEN Aldridge 200mm
6	LED 10.5V Aldridge 300mm
47	240 Aldridge 300mm
44	240 OTHERS 300mm
48	240 SIEMENS 300mm
69	LED 9V ATS 300mm
81	LED Dual Voltage ATS 300mm
65	LED 42V ELV ATS 300mm
101	LED BRAUMS 42V ELV 300mm
40	KRYPTON Aldridge 300mm
83	LED BRAUMS 300mm
42	QUARTZ HALOGEN Aldridge 300mm
124	LED Pavement Light

48. Luminaires

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-LU-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCINN-xxxxxx	Unique identifier
Pole Number	Alpha Numeric(20)	Unique ID of Parent Asset – Electrical Pole, Structure	Data relationship, valuation, costs
Circuit Number	Alpha Numeric(20)	2	Data relationship, valuation, costs
Phase	Coded	As per table, fixed selection	Valuation, depreciation
Luminaire Type	Coded	As per table, fixed selection	Valuation, depreciation
Make	Coded	As per table, fixed selection	Valuation, depreciation
Watt (W)	Numeric(5,1)	250	Valuation, depreciation
Lens Type	Coded	As per table, fixed selection	Valuation, depreciation
Controller Type	Coded	As per table, fixed selection	Valuation, depreciation
Connected Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciate
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Phase codes	
Code	Description
RED	Red
WHITE	White
BLUE	Blue

Lens Type codes	
Code	Description
LEN1	Aero Screen
LEN2	Optispan Standard
LEN3	Semi Cut Off
LEN4	Type 2 (Side Throw)
LEN5	Type 3 (Forward Throw)
LEN6	Optima
LEN7	Roadster
LEN8	Boston 3

Luminaire Type codes	
Code	Description
1	LED
2	FLUORESCENT
3	SODIUM
4	SOLAR
5	COMPACT FLUORESENT
6	DI CROIC
7	MERCURY
8	METAL HALIDE
99	Other

Control Type codes	
Code	Description
PE	Photo Electric Cell
SP	Shorting Plug
SC	Smart Cell
D	Direct

Make codes	
Code	Description
PEC	Pecan
GEC	GEC
PHIL	Phillips
REX	Rexel
SYL	Sylvania
OSR	Osram
IBI	Rainbird
THO	Thorn
GT	GreenThinking solar
L1	Lamptech/Gigaterra
MO	Moonlighting – Cellite
LED1	Unilumin
LED2	LRL
A	Aldridge ATS
V2	Versalux
W1	WE-EF
P1	Pierlite
R1	RUUD

49. Push Buttons

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-PB-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Electrical Pole, gantry etc,	Data relationship, valuation, costs
Type	Coded	As per table, fixed selection	Valuation, depreciate.
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Button Type codes	
Code	Description
1	Audio Tactile Push Button
2	Cyclist Push Button
3	Push Button
99	Other

50. Camera (CCTV)

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-CM-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Electrical Pole, gantry etc,	Data relationship, valuation, costs
Type	Coded	As per table, fixed selection	Valuation, depreciate.
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Type codes	
Code	Description
1	Pan Tilt Zoom (CAM)
2	Fixed (CAM)
3	Video Incident Detection (CAM)
4	Thermal Incident Detection (CAM)
5	Red Light Speed
6	Safety Cam
7	Point to Point
99	Other

51. ITS Cabinet

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ITS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Cabinet Configuration	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

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

52. Power Distribution Board

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ITS-PD-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – ITS Cabinet	Data relationship, valuation, costs
Type	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

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

53. Uninterruptable Power Supply (UPS)

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	ITS-UPS-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – ITS Cabinet	Data relationship, valuation, costs
Type	Coded	As per table, fixed selection	Valuation, depreciate.
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

Type codes	
Code	Description
1	ECUPS
2	ICUPS
99	Other

54. Over Height Detectors

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	OH-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Bridge, Tunnel	Data relationship, valuation, costs
Height (m)	Numeric(3,1)	4.2	Valuation, depreciate.
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Removal Date	Date	DD/MM/YYYY	Valuation, depreciation
Shape	Point		Geographic location

55. Weather Stations

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	WE-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

56. Pump

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	PU-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Capacity (Lts)	Numeric(20)	1000	Valuation, depreciation
Communication Type	Coded	As per table, fixed selection	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Communication Type codes	
Code	Description
1	Cellular – 3G
2	PSTN
3	PABX
4	Fibre Optic
99	Other

57. Jet Fan

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	TU-JF-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Tunnel	Data relationship, valuation, costs
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

58. Generators

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	GE-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Fuel Capacity (Litres)	Numeric(5)	120	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

59. Boom Barrier

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	BB-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Length (m)	Numeric(3,1)	5.2	Valuation, depreciation
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

60. Pits

Attribute	Format	Examples	Why it is required and where it will be used
Principal's Asset ID	Alpha Numeric(20)	EP-PT-nnnnnn	Unique identifier
Contractor ID	Alpha Numeric(20)	YYCNNN-xxxxxx	Unique identifier
Parent	Alpha Numeric(20)	Unique ID of Parent Asset – Electrical Poles, Detectors etc	Data relationship, valuation, costs
Material Type	Coded	As per table, fixed selection	Valuation, depreciate.
Size	Domain	P2, P3, P4 or P5 Fixed Section	Valuation, depreciate.
Lockable	Domain	Y or N fixed selection	Maintenance/AMP
Installation Date	Date	DD/MM/YYYY	Valuation, depreciation
Current Condition	Coded	As per table, fixed selection	Valuation, depreciation
Comments	Alpha Numeric(255)		Maintenance/AMP
Asset Status	Coded	Operating	Maintenance/AMP
Shape	Point		Geographic location

Material Type	
Code	Description
1	Concrete
2	Metal
3	Asbestos
4	Plastic
5	Wood
99	Other

61. 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

ATTACHMENT 2
DATA INTERCHANGE FORMAT

Sign Posts – Asset Data Detail

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Number of Posts	Post Size	Frangible	Footing Type	Coating Type	Installation Date	Current Condition	Comments	Asset Status	Shape
SP-1254	YYCNNN-xxxxxx	1	Circular80	N	Sleeved	Galvanized	17/10/2016	Poor		Operating	Point

Signs – Asset Data Detail

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DP TI Asset ID	Mtce Provider ID	Parent	Sign Type	Sign Code	TES Number	Height (m)	Width (m)	Message	Dynamic Type	Material Type	Anti-graffiti Coating	Installation Date	Date of Manufacture	Warranty	Current Condition	Comments	Asset Status	Removal Date	Shape
SI-2324	YYC NNN-xxxxxx	SP-1254	Guide	R1-1A	16838	1000	2000	WEEROONASLANN	Static	Aluminium	N	30/10/2006	17/10/2006	5	Poor		Operating	17/10/2019	Point

Safety Barrier – Asset Data Detail

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Safety Barrier Type	Type of Post	Post Spacing (m)	Length (m)	Spacer Blocks	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
SB-9861	YYCNNN-xxxxxx	W-Beam	Steel	4	50	Steel	20/01/2010	Good		Operating	17/10/2019	Polyline

Start\End Terminal – Asset Data Detail

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Terminal	Terminal Type	Length (m)	Installation Date	Current Condition	Comments	Asset Status	Shape
SB-TE-5645	YYCNNN-xxxxxx	SB-9861	Start	Melt	16	20/01/2005	Poor		Operating	Point

DPTI Asset ID	Mtce Provider ID	Parent	Terminal	Terminal Type	Length (m)	Installation Date	Current Condition	Comments	Asset Status	Shape
SB-TE-5646	YYCNNN-xxxxxx	SB-9861	End	Melt	16	20/01/2005	Average		Operating	Point

Motor Cycle Protection – Asset Data Detail

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Protection Type	Length (m)	Installation Date	Current Condition	Comments	Asset Status	Shape
SB-MC-5647	YYCNNN-xxxxxx	SB-9861	Stack Cushion	20	20/01/2009	Average		Operating	Polyline

Drainage

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Structure Type	Material Type	Number of Runs	Standard Culvert Dimensions	Non-Standard Width (mm)	Non-Standard Height (mm)	Non-Standard Diameter (mm)	Length (m)	Installation Date	Current Condition	Comments	Asset Status	Shape
DR-1098	YYCNNN-xxxxxx	Pipe Culvert	Concrete	1	300 x 225	1700	1000	2200	15	20/10/1990	Good		Operating	Polyline

Inlet / Outlet / Junction

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent.

DPTI Asset ID	Mtce Provider ID	Parent	Inlet / Outlet	Structure Type	Material Type	Lid Type	Size	Installation Date	Current Condition	Comments	Asset Status	Shape
DR-IO-1100	YYCNNN-xxxxxx	DR-1098	Inlet	SEP	Concrete	Standard	Double	20/10/1990	Average		Operating	Point

DPTI Asset ID	Mtce Provider ID	Parent	Inlet / Outlet	Structure Type	Material Type	Lid Type	Size	Installation Date	Current Condition	Comments	Asset Status	Shape
DR-IO-8565	YYCNNN-xxxxxx	DR-1098	Outlet	Headwall	Rip-Rap	N/A	N/A	20/10/1990	Average		Operating	Point

Fence / Gates

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Fence Type	Length (m)	Average Height (m)	Installation Date	Warranty (yrs)	Current Condition	Comments	Asset Status	Shape
FE-7586	YYCNNN-xxxxxx	RA-8490	Chainmesh	50	2.1	25/08/1975	Unknown	Poor		Operating	Polyline

Stack Site

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Size (m ²)	Comments	Asset Status	Shape
ST-6572	YYCNNN-xxxxxx	100		Operating	Polygon

Borrow Pits

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Size (m ²)	Comments	Asset Status	Shape
BP-6572	YYCNNN-xxxxxx	100		Operating	Polygon

Retaining Walls

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	BIS Plan Number	Retaining Wall Type	Road Located	Length (m)	Average Height (m)	Maximum Height (m)	Installation Date	Current Condition	Comments	Asset Status	Shape
RW-3576	YYCNNN-xxxxxx	2014021	Gabion	At Base of Wall	50	2.0	4	14/06/2016	New		Operating	Polyline

Rest Areas

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Rest Area Type	Surface Type	Size (m ²)	Track Parking	Current Condition	Comments	Asset Status	Shape
RA-8490	YYCNNN-xxxxxx	Major Rest Area	Asphalt	200	Yes	Average		Operating	Polygon

Bins

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Material Type	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-BI-1930	YYCNNN-xxxxxx	RA-BI-8490	Concrete	15/03/2006	Average		Operating	Point

Table

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Material Type	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-TA-2001	YYCNNN-xxxxxx	RA-TA-8490	Recycled Plastic	26/08/2005	Average		Operating	Point

Seat

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Construction Type	Length	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-SE-8946	YYCNNN-xxxxxx	RA-SE-8490	Timber Frame	5	01/08/2006	Good		Operating	Point

Shelter

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Size (m ²)	Construction Type	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-SH-5983	YYCNNN-xxxxxx	RA-SH-8490	9	Cantilever	01/07/2003	Average		Operating	Point

Shed

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Area (m ²)	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-SD-4568	YYCNNN-xxxxxx	RA-SD-5648	50	01/08/2005	Poor		Operating	Point

Toilet Block

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Number of Toilets	Toilet Connection Type	Disable Toilet Available	Size (m ²)	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-TB-4127	YYCNNN-xxxxxx	RA-TB-8490	2	Mains Water	Y	9	06/11/2001	Good		Operating	Point

Water Tank

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Number of Tanks	Size (m ³)	Installation Date	Current Condition	Comments	Asset Status	Shape
RA-WT-7347	YYCNNN-xxxxxx	RA-WT-8490	2	2000	01/08/2006	Good		Operating	Point

Help Phone

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Power	Communication Type	Current Condition	Comments	Asset Status	Shape
PH-6918	YYCNNN-xxxxxx	240V Metered	PSTN	Good		Operating	Point

Medians

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Median Type	Median Infill Type	Width (m)	Length (m)	Irrigation System	Installation Date	Council Maintained	Current Condition	Comments	Asset Status	Shape
ME-8998	YYCNNN-xxxxxx	Kerbed	Paved	2	9	Yes	17/03/2014	No	Poor		Operating	Polyline

Pathways

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Pathway Type	Surface Type	Length (m)	Width (m)	Current Condition	Installation Date	Comments	Asset Status	Shape
PW-4861	YYCNNN-xxxxxx	Pedestrian	Paved	100	2.5	Good	6/04/16		Operating	Polyline

Bollards

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Material	Removable	Installation Date	Current Condition	Comments	Asset Status	Shape
BL-1657	YYCNNN-xxxxxx	Steel	Yes	30/02/2018	New		Operating	Point

Fire Hydrates

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Last Tested Date	Installation Date	Current Condition	Comments	Asset Status	Shape
WI-8998	YYCNNN-xxxxxx	17/03/2017	17/03/2014	Good		Operating	Point

Wind Socks

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Post Height	Installation Date	Current Condition	Comments	Asset Status	Shape
WI-8998	YYCNNN-xxxxxx	5.5	17/03/2014	Good		Operating	Point

Urban Art

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Description	Installation Date	Current Condition	Comments	Asset Status	Shape
UA-8965	YYCNNN-xxxxxx	Snake Wall	23/09/2014	Good		Operating	Point

Arrestor Bed

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Surface Type	Size (m ²)	Current Condition	Comments	Asset Status	Shape
AB-1547	YYCNNN-xxxxxx	Gravel	500	Average		Operating	Polygon

Weigh Station

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Type	Surface Type	Size (m ²)	Current Condition	Comments	Asset Status	Shape
WS-3716	YYCNNN-xxxxxx	Bridge	Asphalt	300	Good		Operating	Polygon

Park and Ride

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Surface Type	Park and Ride Type	Size (m ²)	Current Condition	Comments	Asset Status	Shape
PR-8999	YYCNNN-xxxxxx	Asphalt	Tram	1000	Good		Operating	Polygon

Rock Slopes

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Type	Length (m)	Height (m)	Average Angle (degrees)	KNet Report Number	Construction Date	Assessed Risk Level (ARL)	Comments	Asset Status	Shape
PR-8999	YYCNNN-xxxxxx	Rock	200	20	30	1234524	01/08/1985	Good		Operating	Polygon

Roadstrips

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Surface Type	Size (m ²)	Length (m)	Width (m)	Current Condition	Comments	Asset Status	Shape
RS-8999	YYCNNN-xxxxxx	Asphalt	2000	200	10	Good		Operating	Polyline

Bores

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Depth (m)	Diameter (m)	Current Condition	Comments	Asset Status	Shape
BO-8249	YYCNNN-xxxxxx	100	5.5	Good		Operating	Point

Dam

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Area (m ²)	Lined	Current Condition	Comments	Asset Status	Shape
DA-8954	YYCNNN-xxxxxx	100	Yes	Good		Operating	Polygon

Grids

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Type	Base	Length (m)	Width (m)	Number of Spans	Number of Steels	Current Condition	Comments	Asset Status	Shape
GR-8249	YYCNNN-xxxxxx	Aprilla	Culvert	2.5	10.2	2	5	Average		Operating	Point

Floodways

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Base Type	Length (m)	Width (m)	Current Condition	Comments	Asset Status	Shape
FW-1257	YYCNNN-xxxxxx	Concrete	2.5	10.2	Average		Operating	Point

Campsites

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Area (m ²)	Length (m)	Width (m)	Access Rd Sheeted	Campsite Sheeted	Ramp	Wash Down Bay	Current Condition	Comments	Asset Status	Shape
CS-5487	YYCNNN-xxxxxx	100	50	20	Yes	Yes	No	No	Poor		Operating	Polygon

Maintenance Turn Arouds

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Current Condition	Comments	Asset Status	Shape
MT-5765	YYCNNN-xxxxxx	New		Operating	Point

Bridge

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	BIS Plan Number	Length (m)	Overall Width (m)	Kerb to Kerb Width (m)	Barrier to Barrier Width (m)	Clearance (m) (bridges over roads)	Construction Year	Design Standard	Structure Analysis Flag	Number of Spans	Maximum Span Length (m)	Minimum Span Length (m)
BD-2576	YYCNNN-xxxxxx	5214200	50	30	25	27	15	01/08/1985	SM1600	Simply Supported	5	20	15

Girder Type	Girder Material Type	Steel girder corrosion protection system	Attached Services	Current Conditions	Asset Status	Comments	Shape
Beam	Concrete	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)	2 Electranet Power Cables suspended from deck between 2 and 3 girder from north	80	Operating		Point

Busway Track

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	BIS Plan Number	Length (m)	Construction Year	Current Condition	Comments	Asset Status	Shape
BT-2579	YYCNNN-xxxxxx	5214200	3410	01/08/1986	60		Operating	Polyline

Tunnel

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DP TI Asset ID	Mtce Provi der ID	BIS Plan Num ber	Len gth (m)	Over all Widt h (m)	Kerb to Kerb width (m)	Barrier to Barrier Width (m)	Cleara nce (m)	Constru ction Year	Numb er of Spans	Corrosion protection system	Curre nt Condi tion	Comm ents	Asse t Statu s	Sh ape
TU- 157 9	CYY CNN N- xxxxx x	5214 200	200	6	4	5	4	01/08/19 88	8	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)	70		Oper ating	Poi nt

Additional attributes for near surface tunnels under roads.

Structure Analysis Flag	Maximum Span Length (m)	Minimum Span Length (m)	Girder Type	Girder Material Type
Simply Supported	30	20	Arch	Steel

Gantry

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPT I Asset ID	Mtce Provider ID	BIS Plan Number	Gantry Type	Length (m)	Portal Column to Column width (m)	Portal vertical clearance (on left) (m)	Portal vertical clearance (on right) (m)	Cantilever Vertical Clearance (m)	Construction Year	Corrosion protection system	Current Condition	Comments	Asset Status	Shape
GA-3681	YYCNN N- xxxxxx	52142 00	Double Post	4	4	3	3	3	01/08/2012	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)	50		Operating	Point

Noise Wall

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	BIS Plan Number	Material Type	Length (m)	Maximum Height (m)	Average Height (m)	Construction Year	Current Condition	Comments	Asset Status	Shape
NW-4638	YYCNNN-xxxxxx	6024241	Reinforced Concrete	20	3	3	01/08/2012	New		Operating	Polyline

Safety Screen

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	BIS Plan Number	Type	Length (m)	Maximum Height (m)	Average Height (m)	Construction Year	Current Condition	Comments	Asset Status	Shape
SS-1576	YYCNNN-xxxxxx	5124	Canopy	20	3	3	01/08/2012	Good		Operating	Polyline

Signal Controller

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Housing/Mounting	SCATS Modem	Installation Date	Current Condition	Comments	Asset Status	Shape
ITS-SC-1856	YYCNNN-xxxxxx	ITS-84315	Pole Mounted	Mobile (3G)	9/8/2012	New		Operating	Point

Switchboard

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Switchboard Type	Connected Date	Current Condition	Comments	Asset Status	Shape
ITS-SW-87641	YYCNNN-xxxxxx	ITS-16547	PILLAR (GREEN)	17/12/1994	Average		Operating	Point

Electrical Poles

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Pole Type	Footing Type	Surrounding Surface	Height	Outreach Type	Outreach Length	Pole Installation	Pole Current Condition	Base Installation Date	Base Current Condition	Comments	Asset Status	Shape
EP-45611	YYCNN-N-xxxxx	ITS-SC-1856	Slip Base	Piled	Hard	5.5	Double	4.5	28/2/1992	Good	28/2/1992	Poor		Operating	Point

Lanterns (Traffic Signal)

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Display Type	Size	No. Aspect	No. of Red Aspect	No. or Yellow Aspect	No. of green Aspect	No. of White Aspect	Installation Date	Current Condition	Comments	Asset Status	Shape
EP—LT-1554	YYCNN-N-xxxxx	EP-45611	DISC	LED 9V ATS 200mm	3	1	1	1	0	13/09/1997	Unserviceable		Operating	Point

Luminaires

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Pole Number	Circuit Number	Phase	Luminaire Type	Make	Watt (W)	Lens Type	Controller Type	Connection Date	Current Condition	Comments	Asset Status	Removal Date	Shape
EP—LU-51654	YYCNN-NN-xxxxx	EP-45611	2	White	SODIUM	Pecan	250	Aero Screen	Direct	12/6/2017	New		Operating	12/6/2019	Point

Push Button

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Type	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
EP—PB-51472	YYCNNN-xxxxxx	EP-45611	Push Button	20/07/2015	New		Operating	12/6/2019	Point

Camera

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Type	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
EP—CM-5156	YYCNNN-xxxxxx	EP-45611	Safety Cam	02/06/2008	Good		Operating	12/6/2019	Point

ITS Cabinet

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Cabinet Configuration	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
ITS-1573	YYCNNN-xxxxxx	Single Door	16/12/2001	Poor		Operating	12/6/2019	Point

Power Distribution Board

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Type	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
ITS—PD-3217	YYCNNN-xxxxxx	ITS-1573	Metered Type A	26/04/2009	Good		Operating	12/6/2019	Point

Uninterruptable Power Supply

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Type	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
ITS—UPS-1553	YYCNNN-xxxxxx	ITS-45611	ECUPS	13/07/2004	Average		Operating	12/6/2019	Point

Over Height Detector

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Height	Installation Date	Current Condition	Comments	Asset Status	Removal Date	Shape
OH-7169	YYCNNN-xxxxxx	BD-2576	4.2	30/09/2003	Average		Operating	12/6/2019	Point

Weather Stations

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Installation Date	Current Condition	Comments	Asset Status	Shape
WE-13846	YYCNNN-xxxxxx	12/08/2010	New		Operating	Point

Pump

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Capacity (Lts)	Communication Type	Installation Date	Current Condition	Comments	Asset Status	Shape
PU-41165	YYCNNN-xxxxxx	1000	PSTN	20/07/2011	Average		Operating	Point

Jet Fan

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Installation Date	Current Condition	Comments	Asset Status	Shape
TU-JF-13846	YYCNNN-xxxxxx	TU-2576	26/03/2014	Good		Operating	Point

Generators

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Fuel Capacity (Litres)	Installation Date	Current Condition	Comments	Asset Status	Shape
GE-52107	YYCNNN-xxxxxx	120	01/04/2012	Average		Operating	Point

Boom Barrier

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Length	Installation Date	Current Condition	Comments	Asset Status	Shape
BB-15586	YYCNNN-xxxxxx	5.2	05/11/2008	Good		Operating	Point

Pits

GIS (Shape) information to be provided as per clause 2.2 Geographic location in a format approved by the Superintendent

DPTI Asset ID	Mtce Provider ID	Parent	Type	Size	Lockable	Installation Date	Current Condition	Comments	Asset Status	Shape
EP-PT-7161	YYCNNN-xxxxxx	EP-45611	Electrical	P2	Y	05/09/2012	Average		Operating	Point