

## Data Specification of IRNP dTAD (Geodatabase v9.2 Format)

(27 May 2011)

### Introduction

The traffic aids are data from the digitized Traffic Aids Drawing dTAD being maintained by Transport Department. The featured data shows indicative position of traffic aids on street, such as traffic signs, directional signs, traffic light signal etc. Details of entities are depicted as below.

### Summary of IRNP dTAD Entities

| Filename                   | Entity in ER Diagram   | Description                                                    | Remark                                        |
|----------------------------|------------------------|----------------------------------------------------------------|-----------------------------------------------|
| ch_marker_abv.mdb          | ch_marker_abv          | Chainage Marker Abbreviation                                   |                                               |
| ch_marker_pol.mdb          | ch_marker_pol          | Chainage Marker Pole                                           |                                               |
| dir_sign_plat.mdb          | dir_sign_plat          | Directional Sign Plate                                         |                                               |
| dir_sign_pole.mdb          | dir_sign_pole          | Directional Sign Pole                                          |                                               |
| ima_arrow_ds.mdb           | ima_arrow_ds           | Arrows to Directional Sign Plate                               | Backdrop                                      |
| ima_arrow_ped.mdb          | ima_arrow_ped          | Arrows to Pedestrian Sign Plate                                | Backdrop                                      |
| ima_drop_kerb.mdb          | ima_drop_kerb          | Drop Kerb, run-in and customized road alignment                | Backdrop                                      |
| ima_marking.mdb            | ima_marking            | Carriageway markings, Pedestrian Barriers, Railings & Legend   | Backdrop                                      |
| ima_nsr.mdb                | ima_nsr                | No Stopping Restriction                                        | Backdrop                                      |
| ped_sign_plat.mdb          | ped_sign_plat          | Pedestrian Directional Sign Plate                              |                                               |
| ped_sign_pole.mdb          | ped_sign_pole          | Pedestrian Directional Sign Pole                               |                                               |
| tactile_path.mdb           | tactile_path           | Tactile Guide Path                                             |                                               |
| tactile_strip.mdb          | tactile_strip          | Tactile Warning Strip                                          |                                               |
| traf_sign_abv.mdb          | traf_sign_abv          | Traffic Sign Abbreviation                                      | Please also see "traffic_sign_inventory.mdb". |
| traf_sign_pla.mdb          | traf_sign_pla          | Traffic Sign Plate                                             |                                               |
| traf_sign_pol.mdb          | traf_sign_pol          | Traffic Sign Pole                                              |                                               |
| traffic_light.mdb          | traffic_light          | Traffic Light Signal                                           |                                               |
| trans_yel_bar.mdb          | trans_yel_bar          | Transverse Yellow Bar                                          |                                               |
| traffic_sign_inventory.mdb | traffic_sign_inventory | Lookup Table of Traffic Sign No. and Traffic Sign Abbreviation | Please also see "traf_sign_abv.mdb".          |

### Note:

“Summary of IRNP dTAD Entities” above is revised to show “Entity in ER Diagram” which matches with the names shown on ER Diagram at the end of this data specification.

## Data Definition of IRNP dTAD Entities

### 1. CHAINAGE MARKER ABBREVIATION

◆ File: CH\_MARKER\_ABV.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| FEATUREID     | Feature ID                                                                |       | Number     |
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| ABBREV        | Sign Abbreviation                                                         | 20    | Text       |
| EXP           | Expressway                                                                | 1     | Text       |
| BOUND         | Bound                                                                     | 1     | Text       |
| DISTANCE      | Measure of distance                                                       |       | Number     |
| ROUTENO       | Strategic Route Number                                                    |       | Number     |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| CRE_DATE      | Date of creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of last update                                                       |       | Date/Time  |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

### 2. CHAINAGE MARKER POLE

◆ File: CH\_MARKER\_POL.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of last update                                                       |       | Date/Time  |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

### 3. DIRECTIONAL SIGN PLATE

◆ File: DIR\_SIGN\_PLAT.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| SIGNID        | Sign ID                                                                   | 32    | Text       |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

### 4. DIRECTIONAL SIGN POLE

◆ File: DIR\_SIGN\_POLE.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

### 5. DIRECTIONAL SIGN ARROW (BACKDROP)

◆ File: IMA\_ARROW\_DS.MDB

| ITEM NAME     | DESCRIPTION         | WIDTH | TYPE       |
|---------------|---------------------|-------|------------|
| OBJECTID      | Object ID           |       | AutoNumber |
| CRE_DATE      | Date of Creation    |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update |       | Date/Time  |
| SHAPE         | Shape of Feature    |       | OLE Object |
| SHAPE_Length  | Length of Feature   |       | Number     |

6. PEDESTRIAN DIRECTIONAL SIGN ARROW (BACKDROP)

◆ File: IMA\_ARROW\_PED.MDB

| ITEM NAME     | DESCRIPTION         | WIDTH | TYPE       |
|---------------|---------------------|-------|------------|
| OBJECTID      | Object ID           |       | AutoNumber |
| CRE_DATE      | Date of Creation    |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update |       | Date/Time  |
| SHAPE         | Shape of Feature    |       | OLE Object |
| SHAPE_Length  | Length of Feature   |       | Number     |

7. DROP KERB (BACKDROP)

◆ File: IMA\_DROP\_KERB.MDB

| ITEM NAME     | DESCRIPTION         | WIDTH | TYPE       |
|---------------|---------------------|-------|------------|
| OBJECTID      | Object ID           |       | AutoNumber |
| CRE_DATE      | Date of Creation    |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update |       | Date/Time  |
| SHAPE         | Shape of Feature    |       | OLE Object |
| SHAPE_Length  | Length of Feature   |       | Number     |

8. ROAD MARKINGS (BACKDROP)

◆ File: IMA\_MARKING.MDB

| ITEM NAME     | DESCRIPTION         | WIDTH | TYPE       |
|---------------|---------------------|-------|------------|
| OBJECTID      | Object ID           |       | AutoNumber |
| CRE_DATE      | Date of Creation    |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update |       | Date/Time  |
| SHAPE         | Shape of Feature    |       | OLE Object |
| SHAPE_Length  | Length of Feature   |       | Number     |

9. NO STOPPING RESTRICTIONS (BACKDROP)

◆ File: IMA\_NSR.MDB

| ITEM NAME     | DESCRIPTION         | WIDTH | TYPE       |
|---------------|---------------------|-------|------------|
| OBJECTID      | Object ID           |       | AutoNumber |
| CRE_DATE      | Date of Creation    |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update |       | Date/Time  |
| SHAPE         | Shape of Feature    |       | OLE Object |
| SHAPE_Length  | Length of Feature   |       | Number     |

10. PEDESTRIAN DIRECTIONAL SIGN PLATE

◆ File: PED\_SIGN\_PLAT.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| SIGNID        | Sign ID                                                                   | 32    | Text       |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

11. PEDESTRIAN DIRECTIONAL SIGN POLE

◆ File: PED\_SIGN\_POLE.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

## 12. TACTILE GUIDE PATH

◆ File: TACTILE\_PATH.MDB

| ITEM NAME     | DESCRIPTION                           | WIDTH | TYPE       |
|---------------|---------------------------------------|-------|------------|
| FEATUREID     | Feature ID                            |       | Number     |
| COLOR         | Color                                 |       | Number     |
| DRAWING       | Drawing number in Microstation format | 20    | Text       |
| CRE_DATE      | Date of Creation                      |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                   |       | Date/Time  |
| OBJECTID      | Object ID                             |       | AutoNumber |
| DISTRICT_CODE | District Board                        | 1     | Text       |
| TED_REGION    | TED Boundary                          | 10    | Text       |
| SHAPE         | Shape of Feature                      |       | OLE Object |
| SHAPE_Length  | Length of Feature                     |       | Number     |

## 13. TACTILE WARNING STRIP

◆ File: TACTILE\_STRIP.MDB

| ITEM NAME     | DESCRIPTION                                          | WIDTH | TYPE       |
|---------------|------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format | 8     | Text       |
| DRAWING       | Drawing number in Microstation format                | 20    | Text       |
| FEATUREID     | Feature ID                                           |       | Number     |
| CRE_DATE      | Date of Creation                                     |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                  |       | Date/Time  |
| OBJECTID      | Object ID                                            |       | AutoNumber |
| DISTRICT_CODE | District Board                                       | 1     | Text       |
| TED_REGION    | TED Boundary                                         | 10    | Text       |
| SHAPE         | Shape of Feature                                     |       | OLE Object |
| SHAPE_Length  | Length of Feature                                    |       | Number     |

## 14. TRAFFIC SIGN ABBREVIATION

◆ File: TRAF\_SIGN\_ABV.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| SIGNID        | Sign ID                                                                   | 32    | Text       |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

# 15. TRAFFIC SIGN PLATE

◆ File: TRAF\_SIGN\_PLA.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| SIGNID        | Sign ID                                                                   | 32    | Text       |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

# 16. TRAFFIC SIGN POLE

◆ File: TRAF\_SIGN\_POL.MDB

| ITEM NAME     | DESCRIPTION                                                               | WIDTH | TYPE       |
|---------------|---------------------------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format                      | 8     | Text       |
| GG_NAME       | Graphic Group number for identifying relationship with relevant sign pole | 20    | Text       |
| TYPE          | Type of Sign                                                              | 1     | Text       |
| POLEID        | Pole ID                                                                   | 16    | Text       |
| DRAWING       | Drawing number in Microstation format                                     | 20    | Text       |
| FEATUREID     | Feature ID                                                                |       | Number     |
| CRE_DATE      | Date of Creation                                                          |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                                       |       | Date/Time  |
| OBJECTID      | Object ID                                                                 |       | AutoNumber |
| DISTRICT_CODE | District Board                                                            | 1     | Text       |
| TED_REGION    | TED Boundary                                                              | 10    | Text       |
| SHAPE         | Shape of Feature                                                          |       | OLE Object |
| SHAPE_Length  | Length of Feature                                                         |       | Number     |

#### 17. TRAFFIC LIGHT

◆ File: TRAFFIC\_LIGHT.MDB

| ITEM NAME     | DESCRIPTION                                          | WIDTH | TYPE       |
|---------------|------------------------------------------------------|-------|------------|
| OBJECTID      | Object ID                                            |       | AutoNumber |
| REFNAME       | Reference name (or cell name) in Microstation format | 8     | Text       |
| DRAWING       | Drawing number in Microstation format                | 20    | Text       |
| FEATUREID     | Feature ID                                           |       | Number     |
| CRE_DATE      | Date of Creation                                     |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                  |       | Date/Time  |
| DISTRICT_CODE | District Board                                       | 1     | Text       |
| TED_REGION    | TED Boundary                                         | 10    | Text       |
| SHAPE         | Shape of Feature                                     |       | OLE Object |
| SHAPE_Length  | Length of Feature                                    |       | Number     |

#### 18. TRANSVERSE YELLOW BAR

◆ File: TRANS\_YEL\_BAR.MDB

| ITEM NAME     | DESCRIPTION                                          | WIDTH | TYPE       |
|---------------|------------------------------------------------------|-------|------------|
| REFNAME       | Reference name (or cell name) in Microstation format | 8     | Text       |
| DRAWING       | Drawing number in Microstation format                | 20    | Text       |
| FEATUREID     | Feature ID                                           |       | Number     |
| CRE_DATE      | Date of Creation                                     |       | Date/Time  |
| LAST_UPD_DATE | Date of Last Update                                  |       | Date/Time  |
| OBJECTID      | Object ID                                            |       | AutoNumber |
| DISTRICT_CODE | District Board                                       | 1     | Text       |
| TED_REGION    | TED Boundary                                         | 10    | Text       |
| SHAPE         | Shape of Feature                                     |       | OLE Object |
| SHAPE_Length  | Length of Feature                                    |       | Number     |

#### 19. LOOKUP TABLE OF TRAFFIC SIGN NO. AND TRAFFIC SIGN ABBREVIATION

◆ File: TRAFFIC\_SIGN\_INVENTORY.MDB

| ITEM NAME         | DESCRIPTION                  | WIDTH | TYPE |
|-------------------|------------------------------|-------|------|
| TRAFFIC_SIGN_NO   | Traffic Sign Number          | 25    | Text |
| TRAFFIC_SIGN_DESC | Description of Traffic Sign  | 255   | Text |
| ABBR_NO           | Abbreviation of Traffic Sign | 60    | Text |
| SIGN_TYPE         | Type of Traffic Sign         | 50    | Text |

## Entity Relationship Diagram

