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DATA DICTIONARY – LIGHTING

The Data Dictionary provides context for terms found in the tablet inspection forms. Conditional information is recorded for each feature as well as a unique numeric identifier that is used to link poles and create a light feature after the data is downloaded at the office. The data dictionary allows the inspection team to collect conditions and status of the lighting in our ROW. Collection features also exist for the cabinet inspections, and handhole inspections.

LIGHTING POLES

INVENTORY DETAILS

Inventory – This is where the location, size and material as well as any location remarks are collected.

Inventory date - Date and time inventory record collected.

Status – Use to record the status of last data collection.

- 1 - Field Verified
- 2 - Not Field Verified
- 3 - Remove
- 4 - Needs Repair

Garage - Identifies the Maintenance garage assigned to the maintenance of this section of roadway.

Route Name - (Required Field) Primary road name and direction of travel. For two-lane roads choose the N/E direction option; Use other for culverts that run under adjacent routes in your ROW as needed.

Mile Post - (Number Field) Reference post based on the latitude and longitude collected by the tablet can be auto-generated. If user would like to access the info more quickly enter the best available MP info.

Station (Optional Field) - If a station marker is nearby the feature with respect to the roadway.

Direction – Direction of travel.

- EB - eastbound
- WB - westbound
- NB - northbound
- SB - southbound

Placement (Required Field) - This is the location of the feature with respect to the roadway.

- 1 - Overhead
- 2 - In median
- 3 - On ramp
- 4 - Entrance – at driveway or secondary road
- 5 - Other

Side of Road – Side which the feature is located on, compared to the road.

- 1 - Left
- 2 - Median
- 3 - Overhead
- 4 - Right

Location Description - Text box to provide more information about a culvert (i.e. proximity, distance, number 1 of x, etc.).

Material - Defines the material the post is made from.

- 1 - Galvanized
- 2 - Steel

Light Type - Defines the kind of roadway light is present.

- 1 - Tower
- 2 - Roadway lights
- 3 - Navigation light – LED
- 4 - Navigation light – Incandescent

Bulb Type - Defines the type of bulb installed.

- 0 - HPS 150 Watt; orange or yellow color
- 1 - HPS 150 Watt; orange or yellow color
- 2 - HPS 400 Watt; orange or yellow color
- 3 - HPS 1000 Watt; orange or yellow color
- 4 - LED; white
- 5 - Mercury Vapor; white
- 6 - Other - use comments

Pole Type - Defines the kind of pole used in installation.

- 1 - Mast arm
- 2 - Strain pole
- 3 - Breakaway
- 4 - Mast arm & strain pole
- 5 - Other

Pole Height - Defines the approximate height of the pole.

- 0 – 50-foot height – triangle slip base
- 1 – 40-foot height – on transformer box
- 2 – 100-foot tower – has six lights
- 3 – 120+ foot tower – has eight lights
- 4 – other
- 4 – other see comments

Ownership - Defines the possible owner of the lighting installation.

- S – DOT
- L – Local (City or County)
- P – Private
- O – Other

Billing - Defines the party responsibility for utilities billing.

- 1 – metered
- 2 – non-metered

Install date - Install data for replacement of heads as part of the LED replacement project.

Inventory comments - Room for additional inventory related comments.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Object ID
Global ID
From Measure
To Measure
Effective Start Date
Effective End Date
Create Date
Creator
Edit Date
Editor
Latitude
Longitude
Cabinet ID
Shape
Rest Updated

INSPECTION DETAILS

Inspection Date – date of inspection.

Condition – General Condition of light pole.

- Excellent – like new
- Good – some wear but structurally sound
- Poor – deteriorated/ damaged, consider for repair or replacement – fix in a project
- Very Poor – serious deterioration/ damage – fix as soon as possible
- Inaccessible – not able to see into or around the guardrail due to submersion, grass, etc.

Footing Depth –

Base – Condition of the Base of the light pole.

- 0 – Door in place, electronics in good condition
- 1 – Door missing or damaged
- 2 – electronics damaged
- 3 – Slip plate torqued, loose or missing (where applicable)

Mast Arm – Overall condition of mast arms on the light pole.

- 0 – no rust/ damage, all bolts in place
- 1 – missing bolts
- 2 – rust on pole or mast arm
- 3 – damage to pole
- 4 – other see comments

Photo Taken – Yes or No toggle and reminder for inspectors to take a baseline photo as well as photos of any visible deficiency.

Inspection Comments – (text field) allows for any additional inspection related comments.

Inspection Reason – the reason that the inspection is being performed.

- 0 – Routine
- 1 – Crash Related
- 2 – Other

Incident ID – (text field) located on the pink tag, this will be a set of characters that is provided from the law enforcement agency that corresponds to the report for the crash.

Responding Officer – (text field) located on the pink tag, this will be the name of the responding officer to the crash.

Accident Date/Time – located on the pink tag, this will be the date (YYYYMMDD) and the time (HH:MM) of the crash.

Agency – This domain houses a list of all the law enforcement agencies in the state.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Object ID
Global ID
Create Date
Creator
Edit Date
Editor
Light Inspect ID

LIGHTING HANDHOLE

INVENTORY DETAILS

Inventory Date – date and time inventory record collected.

Status – Use to record the status of last data collection.

- 1 - Field Verified
- 2 - Not Field Verified
- 3 - Remove
- 4 - Needs Repair

Project Number - Project number associated with the installation of the feature.

Garage - Identifies the Maintenance garage assigned to the maintenance of this section of roadway.

Route Name (Required Field) - Primary road name and direction of travel. For two-lane roads choose the N/E direction option; Use other for culverts that run under adjacent routes in your ROW as needed.

Mile Post - (Number Field) Reference post based on the latitude and longitude collected by the tablet can be auto-generated. If user would like to access the info more quickly enter the best available MP info.

Station (Optional Field) - If a station marker is nearby the feature with respect to the roadway.

Direction – Direction of travel.

- EB - eastbound
- WB - westbound
- NB - northbound
- SB - southbound

Placement - (Required Field) This is the location of the feature with respect to the roadway - Crossing, Median, Ramp, Entrance, Foreslope, Other.

- 1 - Overhead
- 2 - In median
- 3 - On ramp
- 4 - Entrance – at driveway or secondary road
- 5 - Other

Side of Road – Side which the feature is located, compared to the road.

- 1 - Left
- 2 - Median
- 3 - Overhead
- 4 - Right

Location Description - Text box to provide more information about a culvert (i.e. proximity, distance, number 1 of x, etc.).

Material - Defines the material the post is made from.

- 1 - Galvanized
- 2 - Steel

Ownership - Defines the possible owner of the lighting installation.

- S – DOT
- L – Local (City or County)
- P – Private
- O – Other

Billing - Defines the party responsibility for utilities billing.

- 1 – metered
- 2 – non-metered

Inventory Comments - Room for additional inventory related comments.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Object ID
Global ID
From Measure
To Measure
Effective Start Date
Effective End Date
Create Date
Edit Date
Editor
Latitude
Longitude
Cabinet ID
Shape
Rest Updated

INSPECTION DETAILS

Inspection Date – Date of inspection.

Condition – General condition of handhole.

- Excellent – like new
- Good – some wear but structurally sound
- Poor – deteriorated/ damaged, consider for repair or replacement – fix in a project
- Very Poor – serious deterioration/ damage – fix as soon as possible
- Inaccessible – not able to see into or around the guardrail due to submersion, grass, etc.

Handhole – Condition of handhold and electronics.

- 0 – Door in place, electronics in good condition
- 1 – Door missing or damaged
- 2 – Electronics damaged
- 3 – Slip plate torqued, loose or missing (where applicable)
- 4 – Other – see comments

Inspection Comments – (text field) allows for entry of any additional inspection related comments.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Handhold ID
Handhold Inspection Id
Object ID
Global ID
Create Date
Creator
Edit Date
Editor
Light Inspection ID

LIGHTING CABINET

INVENTORY DETAILS

Inventory Date - Date and time inventory record collected.

Status – Use to record the status of last data collection.

- 1 - Field Verified
- 2 - Not Field Verified
- 3 - Remove
- 4 - Needs Repair

Project Number – Project number associated with the installation of the feature.

Garage – Identifies the maintenance garage assigned to the maintenance of this section of the roadway.

Route Name (Required Field) – Primary road name and direction for travel. For tow-lane roads choose the N/E direction option; Use the other for culverts that run under adjacent routes in your ROW as needed.

Mile Post – (Number field) reference post based on the latitude and longitude collected by the tablet can be auto-generated. If user would like to access the info more quickly enter the best available MP info.

Station (Optional Field) – If a station marker is nearby the feature with respect to the roadway.

Direction – Direction of travel.

- EB - eastbound
- WB - westbound

- NB - northbound
- SB - southbound

Placement (Required Field) – This is the location of the feature with respect to the roadway – Crossing, Median, Ramp, Entrance, Fore-slope, Other.

- 1 - Overhead
- 2 - In median
- 3 - On ramp
- 4 - Entrance – at driveway or secondary road
- 5 - Other

Side of Road - Side which the feature is located, compared to the road.

- 1 - Left
- 2 - Median
- 3 - Overhead
- 4 - Right

Location Description – Text box to provide more information about a culvert (ie proximity, distance, number 1 of x, etc.)

Ownership – (Text) Defines the possible owner of the lighting installation

Type – How the cabinet is mounted.

- 1 – Pole Mounted
- 2 – Pad Mounted

Material – Defines the material the post is made of.

- 1 - Galvanized
- 2 - Steel

Inventory Comments - (text field) allows for entry of any additional inventory related comments.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Object ID
Global ID
From Measure
To Measure
Effective Start Date
Effective End Date
Create Date

Creator
Edit Date
Editor
Latitude
Longitude
Cabinet ID
Shape
Rest Updated

INSPECTION DETAILS

Inspection Date – Date of inspection.

Condition – Condition of cabinet.

- Excellent – like new
- Good – some wear but structurally sound
- Poor – deteriorated/ damaged, consider for repair or replacement – fix in a project
- Very Poor – serious deterioration/ damage – fix as soon as possible
- Inaccessible – not able to see into or around the guardrail due to submersion, grass, etc.

Cabinet – Condition of interior of cabinet.

- 0 – In good condition, no repairs needed
- 1 – Critter infestation
- 2 – Rusted out
- 3 – Handles and safety mechanisms damaged
- 4 – Selector switch damaged
- 5 – Other, see comments

Inspection Comments – (text field) allows for entry of any additional inspection related comments.

Inspection Reason – the reason that the inspection is being performed.

- 0 – Routine
- 1 – Crash Related
- 2 – Other

Incident ID – (text field) located on the pink tag, this will be a set of characters that is provided from the law enforcement agency that corresponds to the report for the crash.

Responding Officer – (text field) located on the pink tag, this will be the name of the responding officer to the crash.

Accident Date/Time – located on the pink tag, this will be the date (YYYYMMDD) and the time (HH:MM) of the crash.

Agency – This domain houses a list of all the law enforcement agencies in the state.

ADDITIONAL HIDDEN DATA COLLECTED

Handhold ID
Handhold Inspection Id
Object ID
Global ID
Create Date
Creator
Edit Date
Editor
Light Inspection ID

LIGHTING POWERLINE

INVENTORY DETAILS

Inventory Date – Date and time inventory is collected.

Status – Use to record the status of last data collection.

- 1 - Field Verified
- 2 - Not Field Verified
- 3 - Remove
- 4 - Needs Repair

Route Name (Required Field) – Primary road name and direction for travel. For tow-lane roads choose the N/E direction option; Use the other for culverts that run under adjacent routes in your ROW as needed.

Inventory Comments - (text field) allows for entry of any additional inventory related comments.

ADDITIONAL HIDDEN DATA COLLECTED

Not all information collected is visible in the data collection form however the Field Maps Application or a backend process is filling this information in.

Object ID	Create Date	Cabinet ID
Global ID	Creator	Shape
From Measure	Edit Date	Rest Updated
To Measure	Editor	
Effective Start Date	Latitude	
Effective End Date	Longitude	

INSPECTION INFORMATION

Pole – General Condition



Excellent - Like new



Good – some wear but structurally sound



Poor – deteriorated, damaged, consider for repair – fix in project



Very Poor – Serious deterioration/damage – fix as soon as possible



Inaccessible – not able to see due to submersion

Pole – Base Condition



Door in place,
electronics in good condition



Door missing or damaged



Slip plate torked, loose or missing (where applicable)

Pole – Mast Arm Condition



No rust/Damage, all bolts in place



Damage to pole



Rust on pole or mast arm.

Handhole – General Condition



Excellent – Like New



Good – some wear, but structurally sound



Very Poor – Serious Deterioration/Damage – fix as soon as possible



Poor - Deteriorated/Damaged, consider for repair or replacement



Inaccessible – not able to be seen due to submersion, grass, etc.

Cabinet – Condition of the cabinet.



In good condition, no repairs needed