# Exchange Requirement

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| Name | Project handover |

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| --- | --- |
| Identifier | ER.S.105 |

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| --- | --- | --- |
| Change Log | | |
| 2016-07-30 | draft | ttle@iastate.edu |

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| --- | --- | --- | --- |
| Project Stage | 0 | Programming and planning |  |
| 1 | Design |  |
| 2 | Letting |  |
| 3 | Construction | **✓** |
| 4 | Operation and maintenance |  |
| 5 | Disposal |  |

**General Description**

At the completion of the project, the contractor needs to submit as-built drawings and documents of the project to Iowa DOT which will be push to the staging database.

**Exchange disciplines**

* ***Sender:*** Contractor
* ***Receiver:*** Office of maintenance

**Information requirements**

As-built information to be handed over to Iowa DOT:

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| --- | --- | --- | --- |
| **Data attribute group** | **Data attribute** | **Description** | **Comments** |
| Project | Project title | Name of a project |  |
| Project ID | Identity of a sign |  |
| Project location | Location of a project | What data attributes represent the location of a project (e.g., district, garage, route id)? |
| Actual start date | Actual date when the project started |  |
| Actual finish date | Actual date when the project completed |  |
| Actual cost | Prices of the project |  |
| Sign identifier | DOT stock number | Each sign is assigned a stock number |  |
| Iowa MUTCD | Iowa Manual on Uniform Traffic Control Devices |  |
| Federal MUTCD | Federal Manual on Uniform Traffic Control Devices |  |
| Sign installation | Date installed |  |  |
| Sign location | District | Iowa district number |  |
| County | County number |  |
| Garage | Iowa garage maintenance number |  |
| Route ID | For instance, I-29 |  |
| Actual Milepost | As-built milepost of sign |  |
| GPS Latitude | GPS coordinate |  |
| GPS Longitude | GPS coordinate |  |
| Sign face direction | Direction of sign face (E, N, NE, etc.) |  |
| Travel direction | Direction of travel along a specific route |  |
| Side of road | Side of road where post is located, relative to direction of travel |  |
| Sign color | Sign color | Color of sign |  |
| Sign size | Sign width | Width of sign |  |
| Sign height | Height of sign |  |
| Sign area | Area of sign |  |
| Sign message | Sign message | Message of sign |  |
| Sign type | Sign type | Type of sign (regulatory, warning, guide, school, rest area, construction) |  |
| Subcategory | Subcategory within sign type |  |
| Replacement notes | Deficiency | Noted deficiency for replacement (whether damage, design change, etc.) |  |
| Sign material | Sheeting | Sign sheeting material (diamond grade, engineering grade, high intensity, prismatic high intensity) |  |
| Blank material | Blank material of the sign (extruded aluminum, metal, wood) |  |
| Post installation | Post installed | Date post was installed |  |
| Post type | Post type | Type of post (e.g., wood, U-Chan,) |  |
| Post type subtype | Subtype values used to drive data collection efforts utilizing the collector application |  |
| Post dimensions | Post size | Size of post (e.g., 4”x6’) |  |
| Post length | Length of post |  |
| Post quantity | Number of posts | Number of posts installed at an assembly location |  |
| Number of signs | Number of sign installed at a location |  |
| Footing | Width | As-built width of footing |  |
| Height | As-built height of footing |  |
| Depth | As-built depth of footing |  |
| Material | As-built material of footing |  |
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