# Exchange Requirement

|  |  |
| --- | --- |
| Name | Sign design order |

|  |  |
| --- | --- |
| Identifier | ER.S.301 |

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

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

**General Description**

Non-typical or customized signs are usually first designed by the Office of Traffic and Safety. Final designs are sent to the Iowa DOT sign shop for their fabrication.

**Exchange disciplines**

* ***Sender:*** Maintenance garage
* ***Receiver:*** Office of T&S – Traffic engineers

**Information to be exchanged**

Information required to be transferred:

|  |  |  |  |
| --- | --- | --- | --- |
| *Data attribute group* | *Data attribute* | *Description* | *Comments* |
| Sign identifier | DOT stock number | Stock number assigned a sign |  |
|  | Iowa MUTCD | Iowa Manual on Uniform Traffic Control Devices |  |
|  | Federal MUTCD | Federal Manual on Uniform Traffic Control Devices |  |
| Sign location | District | Iowa district number |  |
|  | County | County number |  |
|  | Garage | Iowa garage maintenance number |  |
|  | Route ID | For instance, I-29 |  |
|  | Milepost | 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 type | Sign type | Type of sign (regulatory, warning, guide, school, rest area, construction) |  |
|  | Subcategory | Subcategory within sign type |  |
|  |  |  |  |
|  |  |  |  |