

TOAMS/VUEWorks Field Descriptions: Signing

April 30, 2019

Field	Description	Table Name
TOAMS Sign ID*	VUEWorks assigned number used as the record's unique identifier. Upon creation of a new record, VUEWorks will automatically assign the record a TOAMS Sign ID.	SIGN_ID_PK
Status	Indicates whether the sign is "Active" (currently posted on roadway) - or- "Retired" (no longer posted on roadway). "Active" signs populate under the Sign layer. "Retired" signs populate under the Retired Sign layer. To move an "Active" sign to "Retired", select the drop-down and change the status. Once changed to "Retired", the sign will automatically be moved to the Retired Sign layer ("Retired" signs can only be un-retired at the administrator level).	SIGN_STATUS
Region	Represents the WisDOT Region in which the sign is located (Select from drop-down either: Northwest, North Central, Northeast, Southwest or Southeast).	SIGN_RGN
County	Represents the county in which the sign is located (Select from drop-down the corresponding county: all 72 counties are listed in drop-down).	SIGN_CNTY
Route	Represents the freeway, expressway, or highway on which the sign is posted (Select from drop-down the correct route: all IH, USH, and STHs are listed in drop-down, along with previously used county trunk and local highways).	SIGN_RTE
Travel Direction	Represents the placement of the sign on the roadway in reference to the direction of traffic it guides (Select from drop-down either: Northbound, Southbound, Eastbound or Westbound). For example, USH 53 is considered a Northbound/Southbound highway. Any signs that guide northbound traffic, such as No Passing Zone signs, Directional signs, Speed Limit signs, etc., would be considered "Northbound". Travel direction is independent of the sign's position.	SIGN_TRVL_DRCTN
Photolog Marker	Represents the sign's location, based on PLM (Photolog Mile). This field is used to assign the sign's location a reference point based on Photolog. This is an open-ended field. Photolog, an image capturing software used to photograph and log WisDOT's roadways, assigns each image (taken every 1/100 th of a mile) a PLM. Used in combination with VUEWorks to specify a sign's location, the Photolog Marker is the PLM that best represents the sign's location as captured in Photolog.	SIGN_PL_MRKR
Nearest Crossroad	Used as a reference point to provide a general location of the sign related to intersecting roadways. This is an open-ended field. For example, if while travelling eastbound a Speed Limit sign is posted between First St and Second St, typically the first crossroad is used as the reference (in this case it would be First St). For signs posted at	SIGN_STE_ID

	intersections, such as Stop Signs, Do Not Enters, Wrong Ways, Keep Rights, One Ways, etc., the crossroad at which they are posted is used.	
Position	<p>Provides a description of where the sign is posted on the roadway and in what situation it is being utilized (Select from drop-down the best descriptor of the sign's position).</p> <p>For example, if a sign is posted on a ramp it's position could be "Exit Ramp" or "On Ramp". If a stop sign is posted on an intersecting roadway, it's position could be "Crossroad". If it is a Keep Right posted at an intersection, the position could be "Median". For most signs not posted at intersections the position will be "Right", or in the case of No Passing Zone sign, "Left".</p>	SIGN_PSTN
Material ID	<p>Indicates the type of sign – may include the sign code, height, width, and description of sign (Select from drop-down the correct Material ID).</p> <p>For example, the Material ID for a No Passing Zone sign is "W14-3 48W x 36H No Passing Zone" (Code – Width – Height – Sign Description). Several signs, including stop signs, speed limit signs, curve signs, etc. come in multiple sizes. All sizes are listed in the drop-down.</p>	SIGN_MTRL_ID
Sign Classification	<p>Represents a sign's category regarding the purpose and the scenarios it is utilized (Select from drop-down either: Detour, Object Marker, Recreational and Cultural, Regulatory, School, Varies, or Warning).</p> <p>For example, a No Passing Zone sign is considered a "Warning" sign, as indicated by the W in its code (W14-3). A Stop sign is considered a "Regulatory" sign, as indicated by the R in its code (R1-1)</p>	SIGN_CLASS
Width (in)	<p>Indicates the sign's width, in inches. If the Material ID includes the sign's dimensions, the width entered should match the width in the Material ID. This is an open-ended field.</p> <p>For example, if the Material ID is "W14-3 48W x 36H No Passing Zone", the width entered will be 48.</p>	SIGN_WDTH
Height (in)	<p>Indicates the sign's height, in inches. If the Material ID includes the sign's dimensions, the height entered should match the height in the Material ID. This is an open-ended field.</p> <p>For example, if the Material ID is "W14-3 48W x 36H No Passing Zone", the height entered will be 36.</p>	SIGN_HGTH
Sign Area (sq. ft)	<p>Represents the sign's surface area, which is a product of the sign's width x height, factoring in the shape of the sign (expressed in square feet). This field is auto-populated.</p> <p>For example, if the record pertains to a sign that includes the width and height in the Material ID, VUEWorks will automatically populate the Sign Area within 24 hours using that ID. If the Material ID used does not include the width and height, those fields need to be manually entered for VUEWorks to auto-populate the Sign Area.</p>	SIGN_AREA
Substrate	Indicates the material used to make the sign – its physical composition (Select from drop-down either: Extruded Aluminum, Plywood, Sheet Aluminum, or Other).	SIGN_SBSTR

Sheeting Type	Indicates the type of reflective material on the sign's face (Select from drop-down either: Engineer Grade, Fluorescent – Type F, Non-Reflective, Prismatic High Intensity – Type HP, Super High Intensity – Type SH, or Unknown).	SIGN_SHTG_TYP
Sign Manufacturer	Represents the contractor who made the sign (Select from drop-down either: BSI, Decker, Hall Signs, Interstate Signways, Lyle, Osburn, Rent-a-Flash, Rocal, or Tapco).	SIGN_MNFCTR
Manufacture Code	Represents the producer of the sheeting used for the sign's face (Select from drop-down either: A (Avery Dennison), F (3M Sheeting), R (Reflexite/Orafol Sheeting), or Unknown). For example, if the type of <u>sheeting</u> used in making the sign was designed/produced by 3M, then the Manufacture Code would be "F (3M Sheeting)" and the Sign Manufacturer would be the contractor who made/assembled the sign (such as BSI).	SIGN_MFG_CD
Year Manufactured	Indicates the year the sign was made. This is an open-ended field. Year Manufactured and Installed Date may not be the same. For example, a sign that was manufactured in 2017 may be installed as new in 2019. Signs are considered "new" if their manufactured year is not more than 5 years old at installation date. If a sign is more than 5 years old, it will no longer be used as a new install.	SIGN_YR_MANU
Order Lines (1-8)	Used to record lettering and arrows on the sign. These are open-ended fields and may be left blank depending on the sign. For example, a destination sign that has [LA] Grantsburg on the top line and Siren [RA] beneath, would be entered as the following: <ul style="list-style-type: none"> • Order Line 1: [LA] Grantsburg • Order Line 2: Siren [RA] For standard signs, such as Stops, No Passing Zones, Keep Rights, Yield, Wrong Way, etc., these fields will be left blank.	SIGN_ODR_LN 1 SIGN_ODR_LN 2 SIGN_ODR_LN 3 SIGN_ODR_LN 4 SIGN_ODR_LN 5 SIGN_ODR_LN 6 SIGN_ODR_LN 7 SIGN_ODR_LN 8
Letter Size	Used to indicate the case and size, in inches, of the lettering used on the sign. Letter size varies depending on the type of sign and where it is posted (Select from drop-down the correct letter size for the sign).	SIGN_LTR_SZ
Support (1-4)	Represents the type of post(s) the sign is on (Select from drop down the correct post for Support 1, using Support lines 2-4 as needed). For example, most type II signs (such as stop signs, No Passing Zone signs, etc.) are on a single post, so the type of post will be entered in Support 1. If the sign has two posts, both Support 1 and Support 2 fields will be filled, with Support 1 being the post closest to the roadway.	SIGN_SPRT_1 SIGN_SPRT_2 SIGN_SPRT_3 SIGN_SPRT_4
I-beam Length (ft) (1-3)	For type I signs that use I-beams for support, the lengths of each I-beam (in feet) is recorded in these field (lines 1-3 depending on the number of I-beams). This is an open-ended field. If the sign uses I-beams, the support fields can be left blank. For example, a Type I sign that has two I-beams for supports should have the length of the I-beam nearest the roadway, based on direction	SIGN_BEAM_LGTH_1 SIGN_BEAM_LGTH_2 SIGN_BEAM_LGTH_3

	of travel, listed in line 1 and the I-beam furthest from the roadway listed in line 2.	
Beam Type	For Type 1 signs, this field indicates the category of beams the sign uses, which is based on the sign's horizontal and vertical dimensions. The larger the sign, the higher category of beam is used (Select from drop-down either: Type A, B, C, D, or E).	SIGN_BEAM_TYP
Beam Offset (ft)	Represents the distance off the roadway, measured from the nearest edgeline, that a beam is posted. This is an open-ended field.	SIGN_BEAM_OFST
Sign Bridge Number	If a sign is posted on a bridge, or is associated with a certain bridge, the bridge ID can be entered in this field. This is an open-ended field.	SIGN_BRDG_NMBR
Project ID	Identifies the project in which the sign was last replaced (Select from drop-down the correct Project ID). For example, if the sign was installed/replaced in an improvement project, select the associated improvement project ID. If the sign was installed/replaced on a county RMA or LET contract, select the associated Project ID. *Project IDs need to be sent to BTO prior to use so they can be set up as drop-down options in VUEWorks. Project IDs are uploaded to VUEWorks on a quarterly basis (Jan/April/July/October).	SIGN_RMA_PROJ_ID
Installed or Repaired Date	Represents the date the install, replace, or repair a sign (and/or posts) was done. The date can be added by either entering the correct date (MM/DD/YYYY) or by selecting the appropriate date (and/or time) using the calendar function. For installs/replacements, this field may not be the same as Year Manufactured. For example, a sign that was manufactured in 2017 may be used as a new install/replacement in 2019.	SIGN_INSTLD_DT
Retired Date	If a sign is no longer posted on the roadway and can have its Status changed from "Active" to "Retired", then the date it was removed from the roadway can be entered in this field. The date can be added by either entering the correct date (MM/DD/YYYY) or by selecting the appropriate date (and/or time) using the calendar. For example, if an "Active" No Passing Zone sign is removed from the roadway on April 15 th , 2019 due to centerline spotting changes and will no longer be in use, the sign's status will be changed to "Retired" and 04/15/2019 can be added in the "Retired Date". This is used to form a historical reference point of when the sign was removed from the roadway.	SIGN_RET_DT
Comments	Used to make any additional notes regarding the sign that is not covered in one of the available fields. This is an open-ended field.	SIGN_CMNTS
Image Name	If a Photolog screenshot is linked to the record, this field will be auto-populated with the link/mapping to the image. If there is no Photolog link, this field will be blank.	SIGN_IMG_NM
Main Sign Link ID	Default field.	SIGN_MAIN_GE
GPS Corrected	Default field (Set to "No" until field audited).	SIGN_GPS_CRCTD
GPS Source	*Field currently not used.	SIGN_GPS_SRC

Latitude	Represents the GPS location of the sign. The Latitude is an auto-populated field based on the placement of the sign on the GIS map.	SIGN_LTTD
Longitude	Represents the GPS location of the sign. The Longitude is an auto-populated field based on the placement of the sign on the GIS map.	SIGN_LNGTD
Condition Index	*Field currently not used.	SIGN_COND_INDX
Installed By	Represents the county or contractor that most recently installed or replaced the sign. This is an open-ended field. For example, if the sign was installed/replaced on a county's RMA, the associated county would be entered. If the sign was installed/replaced as part of an improvement project or LET contract, the associated contractor would be entered.	SIGN_INSTLLD_BY

***VUEWorks - Signs consists of two layers:**

- 1.) **Sign:** Contains all active signs that are currently posted.
- 2.) **Retired Sign:** Contains signs that are no longer posted.
 - a. When a specific sign is removed and is not being replaced, those sign records are moved from the **Sign** layer → **Retired** layer to keep track of what was previously posted on the roadway. This could be due to a re-alignment of the roadway or WisDOT's decision to change/remove signing.

***VUEWorks - Data Viewer Drop Downs:**

- 1.) **Attributes:** Stores all the information about a sign
- 2.) **Documents:** Stores any documents you attach to a given sign
- 3.) **Historical Work Orders:** Stores all the history that was done on that sign from our previous asset management system.
- 4.) **Work Orders/Projects:** Potentially will be used in the future