**MetroGIS Address Points Data Specifications**

*Version 3.0 approved by the MetroGIS Address Workgroup October 10, 2016*

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The data specifications for the MetroGIS Address Points Dataset is derived primarily from the Content portion of the [United States Thoroughfare, Landmark, and Postal Address Data Standard](https://www.fgdc.gov/standards/projects/address-data/index_html), which has been endorsed by the Federal Geographic Data Committee (FGDC). These specifications also draw from the [NENA geospatial data standards](https://www.nena.org/?page=Standards) that are in draft format at the time of this version of the specs. Some additional data elements have been added to satisfy data needs at the local level.

The MetroGIS Address Points Dataset will consist of a geospatial points (e.g. a point shapefile) with the attribute fields listed below. All fields are required to be in the dataset. Those listed as optional are not required to be populated. All other fields are required to be populated where they apply to the address. For example, many addresses do not have occupancy types and thus occupancy type is a Conditional element and would not apply to those addresses. All records will consist of mixed case where applicable unless specifically stated otherwise within each element description.

# Database Fields

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **FGDC Element** | **Element Name** | **Database Field Name** | **Domain****Name** | **Field Type** | **Field Width** | **Inclusion** |
| 2.3.1.1 | Address Unique Identifier | UNIQUE\_ID  |  | Text | 100  | Mandatory |
| None | Local Address Unique Identifier | ADD\_ID\_LOC |  | Text | 50 | Conditional |
| 2.2.1.1 | Address Number Prefix | ANUMBERPRE |  | Text | 15  | Conditional |
| 2.2.1.2 | Address Number | ANUMBER |  | Integer | 6  | Mandatory |
| 2.2.1.3 | Address Number Suffix | ANUMBERSUF |  | Text | 15  | Conditional |
| 2.2.2.1 | Street Name Pre Modifier | ST\_PRE\_MOD |  | Text | 15  | Conditional |
| 2.2.2.2 | Street Name Pre Directional  | ST\_PRE\_DIR | Address\_Direction | Text | 9 | Conditional |
| 2.2.2.3 | Street Name Pre Type  | ST\_PRE\_TYP |  | Text | 25  | Conditional |
| 2.2.2.4 | Street Name Pre Separator | ST\_PRE\_SEP |  | Text | 20  | Conditional |
| 2.2.2.5 | Street Name | ST\_NAME |  | Text | 60  | Mandatory |
| 2.2.2.6 | Street Name Post Type | ST\_POS\_TYP | Address\_PostType | Text | 15  | Conditional |
| 2.2.2.7 | Street Name Post Directional | ST\_POS\_DIR | Address\_Direction | Text | 9 | Conditional |
| 2.2.2.8 | Street Name Post Modifier | ST\_POS\_MOD |  | Text | 12 | Conditional |
| 2.2.4.1 | Subaddress Type 1 | SUB\_TYPE1 |  | Text | 12 | Conditional |
| 2.2.4.2 | Subaddress Identifier 1 | SUB\_ID1 |  | Text | 12 | Conditional |
| 2.2.4.1 | Subaddress Type 2 | SUB\_TYPE2 |  | Text | 12 | Conditional |
| 2.2.4.2 | Subaddress Identifier 2 | SUB\_ID2 |  | Text | 12 | Conditional |
| Multi | Municipal Jurisdiction Name | MUNI\_NAME | GNIS\_CTU | Text | 100  | Mandatory |
| Multi | Municipal Jurisdiction Code | MUNI\_CODE | GNIS\_CTU | Text | 8 | Mandatory |
| Multi | Postal Community Name  | POSTCOMM  |  | Text | 40  | Optional |
| None | County Code | CO\_CODE | ANSI\_County | Text | 5  | Mandatory |
| Multi | County Name | CO\_NAME | ANSI\_County | Text | 40  | Mandatory |
| 2.2.6.3 | State Code | STATE\_CODE | ANSI\_State | Text | 2 | Mandatory |
| 2.2.6.4 | ZIP Code | ZIP |  | Text | 5 | Mandatory |
| 2.2.6.5 | ZIP Plus 4 | ZIP4 |  | Text | 4 | Optional |
| 2.3.7.8 | Location Description | LOC\_DESC |  | Text | 254  | Optional |
| 2.2.5.2 | Complete Landmark Name | LANDMARK |  | Text | 150  | Optional |
| None | Residence | RESIDENCE | Yes\_No\_Unknown | Text | 10 | Optional |
| 2.3.7.9 | Mailable Address | MAILABLE | Yes\_No\_Unknown | Text | 10 | Optional |
| 2.3.7.3 | Lifecycle Status | STATUS | Lifecycle | Text | 10 | Optional |
| 2.3.9.1 | Effective Date | EFF\_DATE |  | Date |  | Conditional |
| 2.3.9.2 | Expiration Date | EXP\_DATE |  | Date |  | Conditional |
| 2.2.3.2 | Parcel Unique Identifier | PIN |  | Text | 17 | Optional |
| 2.3.2.3 | Longitude | LONGITUDE |  | Real | double | Mandatory |
| 2.3.2.4 | Latitude | LATITUDE |  | Real | double | Mandatory |
| None | US National Grid Code | USNG\_CODE |  |  | 15 | Optional |
| None | Placement Method MetroGIS  | PLACEMETH  | Placement\_Method\_MetroGIS | Integer | 2 | Optional |
| 1.8.5.3 | Source of Data  | SOURCE  |  | Text | 75  | Optional |
| 2.3.1.2 | Address Authority | AAUTHORITY |  | Text | 40 | Mandatory |
| None | 911 GIS Authority | 911GISAUTH | 911\_GIS\_Authority | Text | 75 | Mandatory |
| None | Editing Organization | EDIT\_ORG |  | Text | 40 | Optional |
| None | Edited Date  | EDITED\_DT  |  | Date |  | Mandatory |
| None | Centerline Geocodable | CEN\_GEO | Yes\_No\_Unknown | Text | 7 | Mandatory |
| None | Emergency Service Number | ESN |  | Text | 5 | Mandatory |
| None | MSAG Community Name | MSAG\_C | MSAG Community | Text | 30 | Mandatory |
| None | Comments | COMMENTS |  | Text | 254 | Optional |

\* See Appendix B for an XML formatting template.

# Element Descriptions

**Address Unique Identifier** (UNIQUE\_ID ), Text, width 100 , mandatory

**Local Address Unique Identifier** (ADD\_ID\_LOC), Text, width 50, conditional

2.3.1.1 Address ID: *The unique identification number assigned to an address by the addressing authority.*

Each address record must have a unique ID. This will distinguish it from any other record in the local or national database. It will also allow other datasets to be related to the address database (e.g. landmark names, contact phone number, existence of lifesaving equipment/defibrillator, existence of hazardous waste, etc.).

Note: While the draft national standard specifies “number” in the definition, it also includes examples that are not numbers. MetroGIS will allow non-numeric identifiers.

**Local vs. National Unique ID**

Each unique official address authority that participates in the MetroGIS Regional Address Dataset must maintain a unique identifier for each address point record. The formatting and structure of that unique identifier is completely at the discretion of the local address authority as long as the ID can be converted to a 50 character text field in the MetroGIS dataset without losing its uniqueness. Because this data will be used at a state or national level, it is necessary to have a nationally unique address ID in the MetroGIS regional dataset. If the local address authority or partnering county does not already have a procedure to create a nationally unique ID, this may be accomplished by appending the GNIS unique ID for the city or township (**in the 8 character text with leading zeros Census format**) and a dash to the beginning of the local unique ID. It must be stressed that the GNIS code is meaningless once placed in the unique ID.

**Permanence Recommendations**

The following are recommended by MetroGIS, but are not required to participate in the Regional Address Points Dataset. Unique IDs should not be reused if they are retired. Unique IDs should not be changed unless there is a change to the geographic feature (occupiable unit) itself. For example, if a street name changes, the street name field of the address record should change, but not the unique ID. If the parcel in which the unit resides is split and the parcel receives a new parcel ID, the unique ID of the address point should not change. If an annexation causes an address point to change jurisdiction from one city or township to another, it is desirable that the unique ID remain the same. It is realized, however, that this may place a burden on local address authorities, especially in the last example. Each address authority will need to determine for itself to what degree it should adhere to these recommendations.

# Address Number Elements

This portion of the address could be defined as one or multiple fields. The vast majority of addresses will consist of a simple integer for an address number. A few addresses, however, have a suffix (e.g. 189 ½, 1423B) and some might have a prefix. The National Standard breaks this down into four elements, the first and last of which might not exist in the metro area, but we will include in our pilot database.

**Address Number Prefix** (ANUMBERPRE):Text, width = 15 , conditional

2.2.1.1 Address Number Prefix: Text *The portion of the complete address number which* ***precedes*** *the address number itself*. (e.g. **61-**43 Springfield Lane). Note: for an address range separated by a dash, the first number and dash will go in the prefix. This is consistent with the NENA address standard, but differs from the FGDC standard.

**Address Number** (ANUMBER):Integer, width = 6 , mandatory

2.2.1.2 Address Number: Integer *The numeric identifier for a land parcel, house, building or other location along a thoroughfare or within a community*.

**Address Number Suffix** (ANUMBERSUF): Text, width = 15 , conditional

2.2.1.3 Address Number Suffix: Text *The portion of the complete address number which* ***follows*** *the address number itself*. (e.g. 123 **1/2** Main Street, 456 **B** Wilson Street)

# Street Elements

**Street Name Pre Modifier** (ST\_PRE\_MOD): Text, width = 15 , conditional

2.2.2.1 Street Name Pre Modifier: Text *A word or phrase that precedes the street name and is not a street name pre directional or a street name pre type*. (e.g. 123 **Old** North First Street).

**Street Name Pre Directional** (ST\_PRE\_DIR): Text, width = 9 , conditional

2.2.2.2 Street Name Pre Directional: Text *A word preceding the street name that indicates the directional taken by the thoroughfare from an arbitrary starting point, or the sector where it is located*. (e.g. 1234 **North** Main Street).

Domain: Address\_Direction (*See Appendix A*)

**Street Name Pre Type** (ST\_PRE\_TYP): Text, width = 25 , conditional

2.2.2.3 Street Name Pre Type: Text *The element of the complete street name* ***preceding*** *the street name element that indicates the type of street*. (e.g. 1500 **Highway** 52, **Avenue** at Port Imperial, 901 **Boulevard** of the Allies)

**Highways and County Roads.**

The draft national standard does include the following language in the notes for the Street Name Pre Type element:

* Domain of Values for this Element: *Although not recognized as street name pre types, Appendix C1 of USPS Publication 28 contains a useful list of street suffixes. Development of a list of street name pre types can incorporate street suffixes from USPS Publication 28 Appendix C1 with local additions.*

USPS Publication 28 only lists single word pre-types. While “Road”, “Highway” and “Freeway” are listed in the Publication 28 (Appendix C1) list of types, “County Road” or “State Highway” are not. No further guidance is provided in the national standard on how to code such pre types. Thus, there are multiple ways such roads could be encoded in the standard

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Street Name Pre Modifier** | **Street Name Pre Type** | **Street Name** |
| 1 | Interstate | Highway | 35E |
| 2 |  | Highway | 35E |
| 3 |  | Interstate | 35E |
| 4 |  |  | Interstate Highway 35E |
| 5 |  | Interstate Highway | 35E |

The Address Workgroup has decided to use multi word pre types for highways and similar road types to prevent ambiguity and inconsistency. Thus, we would use the 5th options shown above for county roads, interstate highways, etc.

**Street Name Pre Separator** (ST\_PRE\_SEP): Text, width = 20 , conditional

Note: MetroGIS will use a separator element consistent with the NENA address standard. (This is only partly consistent with the FGDC separator element which attempts to include three different types of separators in one element.) If a Complete Street Name includes a prepositional phrase between a Street Name Pre Type and a Street Name, the prepositional phrase is treated as a separator. (e.g. Avenue **of the** Stars, Rue **des** Etoiles)

**Street Name** (ST\_NAME): Text, width = 60 , Mandatory

2.2.2.5 Street Name: Text *Official name of a street as assigned by a local governing authority, or an alternate (alias) name that is used and recognized, excluding street types, directionals, and modifiers*. (e.g. 1234 **Central** Street Southwest). Note: Use the street name as defined by the official address authority. (e.g. If they say “7th” Street, it’s “7th”. If they say “Seventh” Street, it’s “Seventh”).

The national standard does not specifically mention the mixed vs. upper case issue, but all examples are shown as mixed case, suggesting that is the preferred format.

**Street Name Post Type** (ST\_POS\_TYP): Text, width = 15 , conditional

2.2.2.6 Street Name Post Type: Text *The element of the complete street name* ***following*** *the street name element that indicates the type of street*. (e.g. 1234 Central **Street** Southwest) **NOTE: The national standard does not allow abbreviations for this element.**

Domain: Address\_PostType (*See Appendix A*)

**Street Name Post Directional** (ST\_POS\_DIR): Text, width = 9, conditional

2.2.2.7 Street Name Post Directional: Text *A word following the street name that indicates the directional taken by the thoroughfare from an arbitrary starting point, or the sector where it is located*. (e.g. 1234 Cherry Street **North**). **NOTE: The national standard does not use abbreviations for this element.**

Domain: Address\_Direction (*See Appendix A*)

**Street Name Post Modifier** (ST\_POS\_MOD): Text, width = 12, conditional

2.2.2.8 Street Name Post Modifier: Text *A word or phrase that follows the street name but is not a street name post-type or street name post directional*. (e.g. 1230 Central Avenue **Extended**).

**Subaddress Elements**

Within the draft national standard, the two subaddress elements are formatted as repeating pairs because some addresses have multiple subaddress types. This is easy to do in an XML schema, but in a database requires a related table. Because MetroGIS will have implementations that use flat files without related tables (e.g. shape files), it was decided to include two sets of subaddress elements. Any additional subaddress information should be put into the Location Description field.

**Subaddress Type1, 2** (SUB\_TYPE1 & SUB\_TYPE2): Text, width = 12, conditional

2.2.4.1 Subaddress Type: *The type of subaddress to which the associated Subaddress Identifier applies.*  (e.g. **Apartment** 17C, **Building** 6, **Tower** B, **Floor** 2, **Suite** 1040)

**Subaddress Identifier1, 2** (SUB\_ID1 & SUB\_ID2): Text, width = 12, conditional

2.2.4.2 Subaddress Identifier: *The letters, numbers, words or combination thereof used to distinguish different subaddresses of the same type when several occur within the same feature*. (e.g. Apartment **17C,** Building **6,** Tower **B,** Floor **2,** Suite **1040**)

# Larger-Area Elements

Note: The draft national standard has one element (2.2.5.1 Place Name) to indicate the community of geographic location of the address, the USPS designated city of the address, the county of the address or other types of places related to the address. Additional elements are considered attributes of this element. For example 2.4.7.5 Place Name Type indicates which type of place is being referenced. While this format may be needed at a national level and can work in an XML data structure, it is not well suited to flat database files like shapefiles. It also tends to minimize the critical distinction needed in the MetroGIS community between the municipal jurisdiction, USPS place name and county of the address. Thus these MetroGIS specifications intentionally focus on the definition of those elements in a flat file which does not directly comply with the draft national standard but could be converted to the XML format of that standard.

**Municipal Jurisdiction Name** (MUNI\_NAME): Text, width = 100 , mandatory

Represented by 2.2.5.1 Place Name and 2.4.7.5 Place Name. The name of the incorporated municipality (city, township, or other local government, excluding counties) in which the address is physically located. In many places this will be different than the city name used by the U.S. Postal Service. (e.g. Bloomington, Castle Rock Township). By default, the spelling of the municipality name will comply with GNIS standard name (See Appendix A). A city may change the standard name to an abbreviated format (Saint vs St.) if needed although these MetroGIS specification encourage the use of the GNIS standard where possible.

Domain: GNIS\_CTU (*See Appendix A*)

**Municipal Jurisdiction Code** (MUNI\_CODE): Text width = 8, mandatory

Similar to 2.4.7.6 The official federal Geographic Names Information Systems unique identifier code for the city, township or unorganized territory in which the address is physically located. (MetroGIS and the State of MN call this the “CTU” identifier.) See Appendix A for list of values. Note: GNIS has two formats. The U.S. Census format with leading zeros is required in these MetroGIS specifications. The examples in the draft national standard show the USGS integer format.

Domain: GNIS\_CTU (*See Appendix A*)

**Postal Community Name** (POSTCOMM ): Text, width = 40 , optional

Represented by 2.2.5.1 Place Name and 2.4.7.5 Place Name Type: Text The name given by the U.S. Postal Service to the post office from which mail is delivered to the address. In many places this will be different from the name of the city or township in which the address is physically located.

**County Code** (CO\_CODE): Text, width = 5 , mandatory

The combination of the [two character state numeric code](http://mn.gov/mnit/programs/policies/geospatial/gis-pages/state-identification-codes.jsp) and the [three character county code](http://mn.gov/mnit/programs/policies/geospatial/gis-pages/mn-county-identification-codes.jsp)  in which the address resides. Both state and county codes are national, state and MetroGIS approved standards.

Domain: ANSI\_County *(See Appendix A)*

**County Name** (CO\_NAME): Text, width = 40 , mandatory

Represented by 2.2.5.1 Place Name and 2.4.7.5 Place Name Type: Text The county in which the address resides. This can be auto filled from the county code.

Domain: ANSI\_County *(See Appendix A)*

**State Code** (STATE\_CODE): Text, width = 2, mandatory

2.2.6.3 State Name: Text *The names of the US states and state equivalents… The names may be spelled out in full or represented by their two-letter USPS or ANSI abbreviation.* Note: MetroGIS has specified the two character code to remove any ambiguity. This will always be “MN” in our database and is therefore unnecessary, however, we will include it so as to make a standard that could also be used for things like parcel owners, etc. that may reside out of state.

Domain: ANSI\_State *(See Appendix A)*

**ZIP Code** (ZIP): Text, width = 5, mandatory

2.2.6.4 ZIP Code: Text *A system of 5-digit codes that identifies the individual Post Office or metropolitan area delivery station associated with an address.*

**ZIP Plus 4** (ZIP4): Text, width = 4, optional

2.2.6.5 ZIP Plus 4: Text *A 4-digit extension of the5-digit ZIP Code(preceded by a hyphen) that , in conjunction with the ZIP code, identifies a specific range of the USPS delivery addresses*.

# Additional Attributes

**Location Description** (LOC\_DESC): Text, width = 254 , optional

2.3.7.8 Location Description: *A text description providing more detail on how to identify or find the addressed feature*. (e.g. White house at intersection, 400 yards west of water tank)

**Complete Landmark Name** (LANDMARK): Text, width = 150 , optional

2.2.5.2 Landmark Name:  *One or more landmark names which identify a relatively permanent feature of the landscape that has recognizable identity within a particular cultural context.* Any individual address could represent multiple landmarks, all of which may be included in this element.

**Residence** (RESIDENCE): Text, width = 10, optional

Does this address have a residence or living quarters? This also includes multi-use addresses that include a residence when no other address for that residence exists in the database. This data element is **not** intended to indicate whether the residence is currently occupied. Thus apartment units would be included whether they are occupied or vacant.

Domain: Yes\_No\_Unknown *(See Appendix A)*

**Mailable Address** (MAILABLE): Text, width = 10, optional

2.3.7.9 Mailable Address: *Identifies whether an address receives USPS mail delivery (that is, the address is occupiable, and the USPS provides on-premises USPS mail delivery to it).* For example, an address for a cell tower or park with no mailbox would not be a mailable address.

Domain: Yes\_No\_Unknown *(See Appendix A)*

**Lifecycle Status** (STATUS): Text, width = 10, optional

2.3.7.3 Address Lifecycle Status: *The lifecycle status of the address*

Domain: Lifecycle (*See Appendix A*)

**Effective Date** (EFF\_DATE): Date, conditional

2.3.9.1 Address Start Date: *The earliest date on which the address is known to exist*.

**Expiration Date** (EXP\_DATE): Date, conditional

2.3.9.2 Address End Date: *The date on which the address is known to no longer be valid*.

**Parcel Unique Identifier** (PIN): Text, width = 17, optional

2.2.3.2 Address Parcel Identifier: *The primary permanent identifier, as defined by the address parcel identifier source, for a parcel that includes the land or feature identified by an address.* This element will follow the MetroGIS Regional Parcel Dataset format.

**Longitude** (LONGITUDE): Real Number, width = double, mandatory

2.3.2.3 Address Longitude: *The longitude of the address location, in decimal degrees, WGS84 datum.* Example: -84.29049105

**Latitude** (LATITUDE): Real Number, width = double, mandatory

2.3.2.4 Address Latitude: *The latitude of the address location, in decimal degrees, WGS84 datum.* Example: 33.77603207

**US National Grid Code** (USNG\_CODE): Text , width = 15, optional

The code for the US National Grid cell within which the address point exists. Example: 18SUJ2348306479- Locates a point with a precision of 1 meter. Note: This element may be populated by a data aggregating organization (e.g. a county).

**Placement Method MetroGIS** (PLACEMETH ): Text , width = 2, optional

A code that indicates the method used for placing the point. The NENA address data standard includes a similar data element. Because MetroGIS stakeholders require more detail with this element, we have created our own element with a crosswalk to the NENA values.

Domain: Placement\_Method\_MetroGIS (*See Appendix A).* This includes a crosswalk to the related NENA Placement Method values.

**Source of Data** (SOURCE ): Text, width = 75 , optional

1.8.5.3 Address Direct Source: Text *Source from whom the data provider obtained the address, or with whom the data provider validated the address*. For MetroGIS purposes, this field could be used to indicate the department within a city that supplied the address (e.g. Planning and Zoning, Fire Dept., Public Works, etc.) or a provider of addresses on private streets (e.g. U of M, XYZ Company, etc.)

**Address Authority** (AAUTHORITY): Text, width = 40, mandatory

2.3.1.2 Address Authority: Text *The name of the authority (e.g., municipality, county) that created or has jurisdiction over the creation, alteration, or retirement of an address*. Note: Entities other than cities and counties might be possible here (e.g. U of M?, State Fair?, 3M (on their campus), Mdewakanton Sioux Community).

**911 GIS Authority** (911GISAUTH): Text, width = 75, mandatory

The name of the 9-1-1 GIS Authority responsible for submitting GIS data to the State for use in an NG9-1-1 ECRF/LVF”. Note: This element may be populated by a data aggregating organization (e.g. a county).

Domain: 911\_GIS\_Authority *(See Appendix A)*

**Editing Organization** (EDIT\_ORG): Text, width = 40, optional

This is intended to indicate the organization that made the last change to the data record. This field may not be necessary if the official address authority is clearly defined and is the only organization that is allowed to edit a record. However, the flexibility we envision with the administration of the geographic parts of the regional dataset suggests that this element will be of use at some point.

**Edited Date** (EDITED\_DT ): Date, , mandatory

This should preferably be filled by the editing application whenever there is an edit. It should use the standard YYYYMMDD format. Note, this element is not part of the National Standard.

**Centerline Geocodable** (CEN\_GEO): Text, width = 7, mandatory

Used to identify official addresses that have been validated by the addressing authority and confirmed to not be included in the corresponding road centerline data. Such addresses would have a “No” value in this element. This is very useful to know for 9-1-1 dispatching purposes. Examples of such addresses include official addresses on islands without named roads and historical “grandfathered” addresses.

Domain: Yes\_No\_Unknown *(See Appendix A)*

**Emergency Service Number** (ESN): Text, width = 5, mandatory

A 3-5 character alphanumeric string that represents an Emergency Service Zone (ESZ). Mandatory Note: This element may be populated by a data aggregating organization (e.g. a county).

**MSAG Community Name** (MSAG\_C): Text, width = 30, mandatory

The Community name associated with address as given in the Master Street Address Guide (MSAG) used for 9-1-1 purposes. This may or may not be the same as the Municipal Jurisdiction Name or the Community Name assigned by the USPS. Note: This element may be populated by a data aggregating organization (e.g. a county).

Domain: MSAG Community (*See Appendix A*)

**Comments** (COMMENTS): Text, width = 254, optional

A field for free form comments as deemed useful by the address authority.

# Appendix A: Domains

**Domain:** 911\_GIS\_Authority

**Field(s):** 911 GIS Authority (911GISAUTH)

|  |  |
| --- | --- |
| **Codes** | **Values** |
| Aitkin | Aitkin |
| Anoka | Anoka |
| Becker | Becker |
| Beltrami | Beltrami |
| Benton | Benton |
| Big Stone | Big Stone |
| Blue Earth | Blue Earth |
| Brown | Brown |
| Carlton | Carlton |
| Carver | Carver |
| Cass | Cass |
| Chippewa | Chippewa |
| Chisago | Chisago |
| Clay | Clay |
| Clearwater | Clearwater |
| Cook | Cook |
| Cottonwood | Cottonwood |
| Crow Wing | Crow Wing |
| Dakota | Dakota |
| Dodge | Dodge |
| Douglas | Douglas |
| Faribault | Faribault |
| Fillmore | Fillmore |
| Freeborn | Freeborn |
| Goodhue | Goodhue |
| Grant | Grant |
| Hennepin | Hennepin |
| Houston | Houston |
| Hubbard | Hubbard |
| Isanti | Isanti |
| Itasca | Itasca |
| Jackson | Jackson |
| Kanabec | Kanabec |
| Kandiyohi | Kandiyohi |
| Kittson | Kittson |
| Koochiching | Koochiching |
| Lac Qui Parle | Lac Qui Parle |
| Lake | Lake |
| Lake of the Woods | Lake of the Woods |
| Le Sueur | Le Sueur |
| Lincoln | Lincoln |
| Lyon | Lyon |
| McLeod | McLeod |
| Mahnomen | Mahnomen |
| Marshall | Marshall |
| Martin | Martin |
| Meeker | Meeker |
| Mille Lacs | Mille Lacs |
| Morrison | Morrison |
| Mower | Mower |
| Murray | Murray |
| Nicollet | Nicollet |
| Nobles | Nobles |
| Norman | Norman |
| Olmsted | Olmsted |
| Otter Tail | Otter Tail |
| Pennington | Pennington |
| Pine | Pine |
| Pipestone | Pipestone |
| Polk | Polk |
| Pope | Pope |
| Ramsey | Ramsey |
| Red Lake | Red Lake |
| Redwood | Redwood |
| Renville | Renville |
| Rice | Rice |
| Rock | Rock |
| Roseau | Roseau |
| Saint Louis | Saint Louis |
| Scott | Scott |
| Sherburne | Sherburne |
| Sibley | Sibley |
| Stearns | Stearns |
| Steele | Steele |
| Stevens | Stevens |
| Swift | Swift |
| Todd | Todd |
| Traverse | Traverse |
| Wabasha | Wabasha |
| Wadena | Wadena |
| Waseca | Waseca |
| Washington | Washington |
| Watonwan | Watonwan |
| Wilkin | Wilkin |
| Winona | Winona |
| Wright | Wright |
| Yellow Medicine | Yellow Medicine |
| Red Lake Nation | Red Lake Nation |

**Domain:** Address\_Direction

**Field(s):** Street Name Pre Directional(ST\_PRE\_DIR), Street Name Post Directional (ST\_POS\_DIR)

|  |  |
| --- | --- |
| **Codes** | **Values** |
| North | North |
| South | South |
| East | East |
| West | West |
| Northeast | Northeast |
| Southeast | Southeast |
| Southwest | Southwest |
| Northwest | Northwest |

**Domain:** Address\_PostType

**Field(s):**  Street Name Post Type(ST\_POS\_TYP)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Value** | **Code** | **Value** | **Code** | **Value** | **Code** | **Value** |
| Abbey | Abbey | Crest | Crest | Glen | Glen | Mill | Mill |
| Alcove | Alcove | Cross | Cross | Glens | Glens | Mills | Mills |
| Alley | Alley | Crossing | Crossing | Green | Green | Mission | Mission |
| Annex | Annex | Crossings | Crossings | Greens | Greens | Motorway | Motorway |
| Arcade | Arcade | Crossroad | Crossroad | Greenway | Greenway | Mount | Mount |
| Avenue | Avenue | Crossroads | Crossroads | Grove | Grove | Mountain | Mountain |
| Bay | Bay | Curve | Curve | Groves | Groves | Mountains | Mountains |
| Bayou | Bayou | Dale | Dale | Harbor | Harbor | Neck | Neck |
| Beach | Beach | Dam | Dam | Harbors | Harbors | Orchard | Orchard |
| Bend | Bend | Divide | Divide | Haven | Haven | Oval | Oval |
| Bluff | Bluff | Down | Down | Heights | Heights | Overlook | Overlook |
| Bluffs | Bluffs | Downs | Downs | Highway | Highway | Overpass | Overpass |
| Bottom | Bottom | Draw | Draw | Hill | Hill | Park | Park |
| Boulevard | Boulevard | Drive | Drive | Hills | Hills | Parks | Parks |
| Branch | Branch | Drives | Drives | Hollow | Hollow | Parkway | Parkway |
| Bridge | Bridge | Echo | Echo | Horn | Horn | Parkways | Parkways |
| Brook | Brook | Edge | Edge | Inlet | Inlet | Pass | Pass |
| Brooks | Brooks | Entry | Entry | Island | Island | Passage | Passage |
| Burg | Burg | Estate | Estate | Islands | Islands | Path | Path |
| Burgs | Burgs | Estates | Estates | Isle | Isle | Pike | Pike |
| Bypass | Bypass | Expressway | Expressway | Junction | Junction | Pine | Pine |
| Camp | Camp | Extension | Extension | Junctions | Junctions | Pines | Pines |
| Canyon | Canyon | Extensions | Extensions | Key | Key | Place | Place |
| Cape | Cape | Fall | Fall | Keys | Keys | Plain | Plain |
| Causeway | Causeway | Falls | Falls | Knoll | Knoll | Plains | Plains |
| Center | Center | Ferry | Ferry | Knolls | Knolls | Plaza | Plaza |
| Centers | Centers | Field | Field | Lake | Lake | Point | Point |
| Chase | Chase | Fields | Fields | Lakes | Lakes | Pointe | Pointe |
| Circle | Circle | Flat | Flat | Land | Land | Points | Points |
| Circles | Circles | Flats | Flats | Landing | Landing | Port | Port |
| Cliff | Cliff | Ford | Ford | Lane | Lane | Ports | Ports |
| Cliffs | Cliffs | Fords | Fords | Light | Light | Prairie | Prairie |
| Close | Close | Forest | Forest | Lights | Lights | Radial | Radial |
| Club | Club | Forge | Forge | Loaf | Loaf | Ramp | Ramp |
| Common | Common | Forges | Forges | Lock | Lock | Ranch | Ranch |
| Commons | Commons | Fork | Fork | Locks | Locks | Rapid | Rapid |
| Corner | Corner | Forks | Forks | Lodge | Lodge | Rapids | Rapids |
| Corners | Corners | Fort | Fort | Lookout | Lookout | Rest | Rest |
| Course | Course | Freeway | Freeway | Loop | Loop | Ridge | Ridge |
| Court | Court | Gables | Gables | Mall | Mall | Ridges | Ridges |
| Courts | Courts | Garden | Garden | Manor | Manor | Rise | Rise |
| Cove | Cove | Gardens | Gardens | Manors | Manors | River | River |
| Coves | Coves | Gate | Gate | Meadow | Meadow | Road | Road |
| Creek | Creek | Gateway | Gateway | Meadows | Meadows | Roads | Roads |
| Crescent | Crescent | Glade | Glade | Mews | Mews | Route | Route |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Value** | **Code** | **Value** | **Code** | **Value** |
| Row | Row | Stream | Stream | Valley | Valley |
| Rue | Rue | Street | Street | Valleys | Valleys |
| Run | Run | Streets | Streets | Viaduct | Viaduct |
| Shoal | Shoal | Summit | Summit | View | View |
| Shoals | Shoals | Terrace | Terrace | Views | Views |
| Shore | Shore | Throughway | Throughway | Village | Village |
| Shores | Shores | Trace | Trace | Villages | Villages |
| Skies | Skies | Track | Track | Ville | Ville |
| Skyway | Skyway | Trafficway | Trafficway | Vista | Vista |
| Spring | Spring | Trail | Trail | Walk | Walk |
| Springs | Springs | Trailer | Trailer | Walks | Walks |
| Spur | Spur | Tunnel | Tunnel | Wall | Wall |
| Spurs | Spurs | Turn | Turn | Way | Way |
| Square | Square | Turnpike | Turnpike | Ways | Ways |
| Squares | Squares | Underpass | Underpass | Well | Well |
| Station | Station | Union | Union | Wells | Wells |
| Stravenue | Stravenue | Unions | Unions |  |  |

**Domain:** GNIS\_CTU

**Field(s):** Municipal Jurisdiction Name(MUNI\_NAME) & Municipal Jurisdiction Code (MUNI\_CODE)

*Note: For technical implementation, the “Code” text shall appear in the MUNI\_CODE field and “Value” text should appear in MUNI\_NAME field.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Value** | **Code** | **Value** | **Code** | **Value** |
| 02393887 | Afton | 02394486 | Deephaven | 02395483 | Jordan |
| 02393954 | Andover | 02394503 | Dellwood | 02395589 | Lake Elmo |
| 02393964 | Anoka | 00663965 | Denmark Township | 02395599 | Lake Saint Croix Beach |
| 02393967 | Apple Valley | 00663994 | Douglas Township | 02395609 | Lakeland |
| 02393979 | Arden Hills | 02394586 | Eagan | 02395610 | Lakeland Shores |
| 02394090 | Bayport | 02394596 | East Bethel | 00664705 | Laketown Township |
| 00663529 | Baytown Township | 02394614 | Eden Prairie | 02395614 | Lakeville |
| 02394113 | Belle Plaine | 02394621 | Edina | 02395626 | Landfall |
| 00663556 | Belle Plaine Township | 02394658 | Elko New Market | 02395642 | Lauderdale |
| 00663571 | Benton Township | 00664099 | Empire Township | 02395696 | Lexington |
| 02394156 | Bethel | 00664113 | Eureka Township | 02395708 | Lilydale |
| 02394171 | Birchwood Village | 02394717 | Excelsior | 02395725 | Lino Lakes |
| 02394183 | Blaine | 02394738 | Falcon Heights | 00664793 | Linwood Township |
| 00663612 | Blakeley Township | 02394747 | Farmington | 02395733 | Little Canada |
| 02394198 | Bloomington | 02394789 | Forest Lake | 02395756 | Long Lake |
| 02393428 | Brooklyn Center | 00664202 | Fort Snelling | 02395764 | Loretto |
| 02393429 | Brooklyn Park | 02394826 | Fridley | 00664829 | Louisville Township |
| 00663708 | Burns Township | 02394871 | Gem Lake | 02395818 | Mahtomedi |
| 02393472 | Burnsville | 02394924 | Golden Valley | 02395838 | Maple Grove |
| 00663731 | Camden Township | 02394963 | Grant | 02395841 | Maple Plain |
| 02393762 | Carver | 02394988 | Greenfield | 02395846 | Maplewood |
| 00663763 | Castle Rock Township | 00664346 | Greenvale Township | 02395007 | Marine on Saint Croix |
| 00663767 | Cedar Lake Township | 02394245 | Greenwood | 00664919 | Marshan Township |
| 02393784 | Centerville | 00664354 | Grey Cloud Island Township | 00664932 | May Township |
| 02393797 | Champlin | 02394273 | Ham Lake | 02395049 | Mayer |
| 02393799 | Chanhassen | 02394274 | Hamburg | 02395082 | Medicine Lake |
| 02393809 | Chaska | 02394282 | Hampton | 02395084 | Medina |
| 02393526 | Circle Pines | 00664386 | Hampton Township | 02395096 | Mendota |
| 02393579 | Coates | 00664388 | Hancock Township | 02395097 | Mendota Heights |
| 02393601 | Cologne | 02394288 | Hanover | 02395317 | Miesville |
| 02393607 | Columbia Heights | 02394320 | Hastings | 02395345 | Minneapolis |
| 02393610 | Columbus | 00664443 | Helena Township | 02395350 | Minnetonka |
| 02393628 | Coon Rapids | 02394389 | Hilltop | 02395351 | Minnetonka Beach |
| 02393634 | Corcoran | 00664502 | Hollywood Township | 02395352 | Minnetrista |
| 02393644 | Cottage Grove | 02394417 | Hopkins | 02395111 | Mound |
| 00663886 | Credit River Township | 02394440 | Hugo | 02395118 | Mounds View |
| 02393683 | Crystal | 02395420 | Independence | 02395187 | New Brighton |
| 00663913 | Dahlgren Township | 02395429 | Inver Grove Heights | 02395195 | New Germany |
| 02394471 | Dayton | 00664569 | Jackson Township | 02395201 | New Hope |

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Value** | **Code** | **Value** |
| 00665104 | New Market Township | 02395918 | South Saint Paul |
| 02395211 | New Prague | 02395934 | Spring Lake Park |
| 02395216 | New Trier | 00665676 | Spring Lake Township |
| 02395227 | Newport | 02395935 | Spring Park |
| 00665126 | Nininger Township | 02396471 | Saint Anthony |
| 02395259 | North Oaks | 02396475 | Saint Bonifacius |
| 02395261 | North Saint Paul | 02396487 | Saint Francis |
| 02395265 | Northfield | 00665519 | Saint Lawrence Township |
| 02395278 | Norwood Young America | 02396500 | Saint Louis Park |
| 02395282 | Oak Grove | 02396508 | Saint Marys Point |
| 02395285 | Oak Park Heights | 02396511 | Saint Paul |
| 02395287 | Oakdale | 02396516 | Saint Paul Park |
| 02396081 | Orono | 02395969 | Stillwater |
| 02396098 | Osseo | 00665712 | Stillwater Township |
| 02396211 | Pine Springs | 02396006 | Sunfish Lake |
| 02396242 | Plymouth | 02397036 | Tonka Bay |
| 02396284 | Prior Lake | 02397106 | Vadnais Heights |
| 02396311 | Ramsey | 02397127 | Vermillion |
| 02396316 | Randolph | 00665860 | Vermillion Township |
| 00665377 | Randolph Township | 02397135 | Victoria |
| 00665381 | Ravenna Township | 02397159 | Waconia |
| 02396362 | Richfield | 00665887 | Waconia Township |
| 02396388 | Robbinsdale | 00665929 | Waterford Township |
| 02396406 | Rockford | 02397211 | Watertown |
| 02396415 | Rogers | 00665931 | Watertown Township |
| 02396433 | Rosemount | 02397235 | Wayzata |
| 02396435 | Roseville | 00665966 | West Lakeland Township |
| 00665551 | San Francisco Township | 02397275 | West Saint Paul |
| 00665541 | Sand Creek Township | 02397299 | White Bear Lake |
| 02396543 | Savage | 00665981 | White Bear Township |
| 02396548 | Scandia | 02397314 | Willernie |
| 00665569 | Sciota Township | 02397369 | Woodbury |
| 02395854 | Shakopee | 02397370 | Woodland |
| 02395876 | Shoreview | 00666069 | Young America Township |
| 02395877 | Shorewood |  |  |

**Domain:** ANSI\_County

**Field(s):** County Code (CO\_CODE), County Name (CO\_NAME)

*Note: For technical implementation, the “Code” text shall appear in the CO\_CODE field and “Value” text should appear in CO\_NAME field.*

|  |  |
| --- | --- |
| **Code** | **Value** |
| 27003 | Anoka County |
| 27019 | Carver County |
| 27037 | Dakota County |
| 27053 | Hennepin County |
| 27123 | Ramsey County |
| 27139 | Scott County |
| 27163 | Washington County |

**Domain:** ANSI\_State

**Field(s):** State Code (STATE\_CODE)

*Note: For technical implementation, the “Value” text shall appear in the “STATE\_CODE” field.*

|  |  |
| --- | --- |
| **Code** | **Value** |
| 19 | IA |
| 27 | MN |
| 38 | ND |
| 46 | SD |
| 55 | WI |

**Domain:** Yes\_No\_Unknown

**Field(s):** Residence (RESIDENCE), Mailable Address(MAILABLE), Centerline Geocodable (CEN\_GEO)

|  |  |
| --- | --- |
| **Codes** | **Values** |
| Yes | Yes |
| No | No |
| Unknown | Unknown |

**Domain:** Lifecycle

**Field(s):** Lifecycle Status(STATUS)

|  |  |
| --- | --- |
| **Codes** | **Values** |
| Active | Active |
| Retired | Retired |
| Proposed | Proposed |

**Domain:** Placement\_Method\_MetroGIS

**Field(s):** Placement Method MetroGIS (PLACEMETH)

|  |  |  |
| --- | --- | --- |
| **Codes** | **Values** | **NENA Placement Method** |
| 0 | Unknown | Unknown |
| 1 | Parcel polygon centroid or random placement within parcel polygon | Parcel |
| 2 | Aligned to doorstop based on aerial photo | Structure |
| 3 | Placed on correct building, but not necessarily on doorstop | Structure |
| 4 | Placed over portion of building in which the unit exists | Structure |
| 5 | Driveway entrance from road | Property Access |
| 6 | Preliminary location for new address created without aid of parcel boundaries, air photo, etc. | Unknown |
| 7 | Preliminary location created based on digital pre-final plat | Unknown |
| 8 | Geocoded using street centerline data | Geocoding |
| 9 | Placed on a recognized site that does not have a defined boundary or structure | Site |
| 99 | Other | Unknown |

**Domain:** MSAG\_Community

**Field(s):** MSAG Community Name (MSAG C)

|  |  |
| --- | --- |
| **CODE** | **VALUE** |
| Afton | Afton |
| Amador Twp | Amador Twp |
| Andover | Andover |
| Anoka | Anoka |
| Apple Valley | Apple Valley |
| Arden Hills | Arden Hills |
| Athens | Athens |
| Bayport | Bayport |
| Baytown Twp | Baytown Twp |
| Belle Plaine | Belle Plaine |
| Belle Plaine Twp | Belle Plaine Twp |
| Benton Twp | Benton Twp |
| Bethel | Bethel |
| Birchwood Village | Birchwood Village |
| Blaine | Blaine |
| Blakeley Twp | Blakeley Twp |
| Bloomington | Bloomington |
| Bradford | Bradford |
| Braham | Braham |
| Brooklyn Center | Brooklyn Center |
| Brooklyn Park | Brooklyn Park |
| Burnsville | Burnsville |
| Cambridge | Cambridge |
| Cambridge Twp | Cambridge Twp |
| Camden Twp | Camden Twp |
| Carver | Carver |
| Castle Rock Twp | Castle Rock Twp |
| Cedar Lake Twp | Cedar Lake Twp |
| Center City | Center City |
| Centerville | Centerville |
| Champlin | Champlin |
| Chanhassen | Chanhassen |
| Chaska | Chaska |
| Chisago City | Chisago City |
| Chisago Lake Twp | Chisago Lake Twp |
| Circle Pines | Circle Pines |
| Coates | Coates |
| Cologne | Cologne |
| Columbia Heights | Columbia Heights |
| Columbus | Columbus |
| Coon Rapids | Coon Rapids |
| Corcoran | Corcoran |
| Cottage Grove | Cottage Grove |
| Credit River Twp | Credit River Twp |
| Crystal | Crystal |
| Dahlgren Twp | Dahlgren Twp |
| Dalbo | Dalbo |
| Dayton | Dayton |
| Deephaven | Deephaven |
| Dellwood | Dellwood |
| Denmark Twp | Denmark Twp |
| Douglas Twp | Douglas Twp |
| Eagan | Eagan |
| East Bethel | East Bethel |
| Eden Prairie | Eden Prairie |
| Edina | Edina |
| Elko New Market | Elko New Market |
| Empire Twp | Empire Twp |
| Eureka Twp | Eureka Twp |
| Excelsior | Excelsior |
| Falcon Heights | Falcon Heights |
| Farmington | Farmington |
| Fish Lake Twp | Fish Lake Twp |
| Forest Lake | Forest Lake |
| Fort Snelling | Fort Snelling |
| Franconia Twp | Franconia Twp |
| Fridley | Fridley |
| Gem Lake | Gem Lake |
| Golden Valley | Golden Valley |
| Grant | Grant |
| Greenfield | Greenfield |
| Greenvale Twp | Greenvale Twp |
| Greenwood | Greenwood |
| Grey Cloud Island Twp | Grey Cloud Island Twp |
| Ham Lake | Ham Lake |
| Hamburg | Hamburg |
| Hampton | Hampton |
| Hampton Twp | Hampton Twp |
| Hancock Twp | Hancock Twp |
| Hanover | Hanover |
| Harris | Harris |
| Hastings | Hastings |
| Helena Twp | Helena Twp |
| Hilltop | Hilltop |
| Hollywood Twp | Hollywood Twp |
| Hopkins | Hopkins |
| Hugo | Hugo |
| Independence | Independence |
| Inver Grove Heights | Inver Grove Heights |
| Isanti | Isanti |
| Isanti Twp | Isanti Twp |
| Jackson Twp | Jackson Twp |
| Jordan | Jordan |
| Lake Elmo | Lake Elmo |
| Lake Saint Croix Beach | Lake Saint Croix Beach |
| Lakeland | Lakeland |
| Lakeland Shores | Lakeland Shores |
| Laketown Twp | Laketown Twp |
| Lakeville | Lakeville |
| Landfall | Landfall |
| Lauderdale | Lauderdale |
| Lent Twp | Lent Twp |
| Lexington | Lexington |
| Lilydale | Lilydale |
| Lindstrom | Lindstrom |
| Lino Lakes | Lino Lakes |
| Linwood Twp | Linwood Twp |
| Little Canada | Little Canada |
| Long Lake | Long Lake |
| Loretto | Loretto |
| Louisville Twp | Louisville Twp |
| Mahtomedi | Mahtomedi |
| Maple Grove | Maple Grove |
| Maple Plain | Maple Plain |
| Maple Ridge | Maple Ridge |
| Maplewood | Maplewood |
| Marine On Saint Croix | Marine On Saint Croix |
| Marshan Twp | Marshan Twp |
| May Twp | May Twp |
| Mayer | Mayer |
| Medicine Lake | Medicine Lake |
| Medina | Medina |
| Mendota | Mendota |
| Mendota Heights | Mendota Heights |
| Miesville | Miesville |
| Minneapolis | Minneapolis |
| Minnetonka | Minnetonka |
| Minnetonka Beach | Minnetonka Beach |
| Minnetrista | Minnetrista |
| Mound | Mound |
| Mounds View | Mounds View |
| Msp Airport | Msp Airport |
| Nessel Twp | Nessel Twp |
| New Brighton | New Brighton |
| New Germany | New Germany |
| New Hope | New Hope |
| New Market Twp | New Market Twp |
| New Prague | New Prague |
| New Trier | New Trier |
| Newport | Newport |
| Nininger Twp | Nininger Twp |
| North Branch | North Branch |
| North Oaks | North Oaks |
| North St Paul | North St Paul |
| Nya | Nya |
| Nowthen | Nowthen |
| Oak Grove | Oak Grove |
| Oak Park Heights | Oak Park Heights |
| Oakdale | Oakdale |
| Orono | Orono |
| Osseo | Osseo |
| Oxford | Oxford |
| Pine Springs | Pine Springs |
| Plymouth | Plymouth |
| Prior Lake | Prior Lake |
| Ramsey | Ramsey |
| Randolph | Randolph |
| Randolph Twp | Randolph Twp |
| Ravenna Twp | Ravenna Twp |
| Richfield | Richfield |
| Robbinsdale | Robbinsdale |
| Rockford | Rockford |
| Rogers | Rogers |
| Rosemount | Rosemount |
| Roseville | Roseville |
| Rush City | Rush City |
| Rushseba Twp | Rushseba Twp |
| St Anthony | St Anthony |
| St Bonifacius | St Bonifacius |
| St Francis | St Francis |
| St Lawrence Twp | St Lawrence Twp |
| St Louis Park | St Louis Park |
| Saint Marys Point | Saint Marys Point |
| St Paul | St Paul |
| Saint Paul Park | Saint Paul Park |
| San Francisco Twp | San Francisco Twp |
| Sand Creek Twp | Sand Creek Twp |
| Savage | Savage |
| Scandia | Scandia |
| Sciota Twp | Sciota Twp |
| Shafer | Shafer |
| Shafer Twp | Shafer Twp |
| Shakopee | Shakopee |
| Shoreview | Shoreview |
| Shorewood | Shorewood |
| South St Paul | South St Paul |
| Spencer Brook | Spencer Brook |
| Spring Lake Park | Spring Lake Park |
| Spring Lake Twp | Spring Lake Twp |
| Spring Park | Spring Park |
| Springvale | Springvale |
| Stacy | Stacy |
| Stanchfield | Stanchfield |
| Stanford | Stanford |
| Stillwater | Stillwater |
| Stillwater Twp | Stillwater Twp |
| Sunfish Lake | Sunfish Lake |
| Sunrise Twp | Sunrise Twp |
| Taylors Falls | Taylors Falls |
| Tonka Bay | Tonka Bay |
| Vadnais Heights | Vadnais Heights |
| Vermillion | Vermillion |
| Vermillion Twp | Vermillion Twp |
| Victoria | Victoria |
| Waconia | Waconia |
| Waconia Twp | Waconia Twp |
| Waterford Twp | Waterford Twp |
| Watertown | Watertown |
| Watertown Twp | Watertown Twp |
| Wayzata | Wayzata |
| West Lakeland Twp | West Lakeland Twp |
| West St Paul | West St Paul |
| White Bear Lake | White Bear Lake |
| White Bear Twp | White Bear Twp |
| Willernie | Willernie |
| Woodbury | Woodbury |
| Woodland | Woodland |
| Wyanett | Wyanett |
| Wyoming | Wyoming |
| Young America Twp | Young America Twp |

#

# Appendix B: Draft XML Formatting Template

Updated 9/27/2016

This is a template to guide the formatting of data into an XML transfer file

|  |  |  |
| --- | --- | --- |
| **Element Name** | **Database Field Name** | **XML Tag from Draft National Standard or “MN” Specific Tag** |
| Address Unique Identifier | UNIQUE\_id | <AddressID> |
| Local Address Unique Identifier | ADD\_ID\_LOC | <MNAddressIDLocal> |
| Address Number Prefix | ANUMBERPRE | <AddressNumberPrefix> |
| Address Number | ANUMBER | <AddressNumber> |
| Address Number Suffix | ANUMBERSUF | <AddressNumberSuffix> |
| Street Name Pre Modifier | ST\_PRE\_MOD | <StreetNamePreModifier> |
| Street Name Pre Directional  | ST\_PRE\_DIR | <StreetNamePreDirectional> |
| Street Name Pre Type  | ST\_PRE\_TYP | <StreetNamePreType> |
| Street Name Pre Separator | ST\_PRE\_SEP | <MNStreetNamePreSeparator |
| Street Name | ST\_NAME | <StreetName> |
| Street Name Post Type | ST\_POS\_TYP | <StreetNamePostType> |
| Street Name Post Directional | ST\_POS\_DIR | <StreetNamePostDirectional> |
| Street Name Post Modifier | ST\_POS\_MOD | <StreetNamePostModifier> |
| Subaddress Type 1 | SUB\_TYPE1 | <SubaddressType> |
| Subaddress Identifier 1 | SUB\_ID1 | <SubaddressIdentifier> |
| Subaddress Type 2 | SUB\_TYPE2 | <SubaddressType> |
| Subaddress Identifier 2 | SUB\_ID2 | <SubaddressIdentifier> |
| Municipal Jurisdiction Name | MUNI\_NAME | \*<PlaceName> |
| Municipal Jurisdiction Code | MUNI\_CODE | \*GNISFeatureID |
| Postal Community Name | POSTCOMM | \*<PlaceName> |
| County Code | CO\_CODE | <MNCountyCode> |
| County Name | CO\_NAME | \*<PlaceName> |
| State Code | STATE\_CODE | <StateName> |
| ZIP Code | ZIP | <ZIPCode> |
| ZIP Plus 4 | ZIP4 | <ZIPPlus4> |
| Location Description | LOC\_DESC | <LocationDescription> |
| CompleteLandmark Name | LANDMARK | <LandmarkName> |
| Residence | RESIDENCE | <MNResidence> |
| Mailable Address | MAILABLE | <MailableAddress> |
| Lifecycle Status | STATUS | <AddressLifecycleStatus> |
| Effective Date | EFF\_DATE | <AddressStartDate> |
| Expiration Date | EXP\_DATE | < AddressEndDate> |
| Parcel Unique Identifier | PIN | <AddressParcelIdentifier> |
| Longitude | LONGITUDE | <AddressLongitude> |
| Latitude | LATITUDE | <AddressLatitude> |
| US National Grid Code | USNG\_CODE | < MNUSNationalGridCode> |
| Placement Method MetroGIS | PLACEMETH | <MNPlacementMethodMetroGIS> |
| Source of Data | SOURCE | <MNSourceOfData> |
| Address Authority | AAUTHORITY | <AddressAuthority> |
| 911 GIS Authority | 911GISAUTH | <MN911GISAuthority> |
| Editing Organization | EDIT\_ORG | <MNEditingOrganization> |
| Edited Date | EDITED\_DT | <MNEditedDate> |
| Centerline Geocodable | CEN\_GEO | <MNCenterlineGeocodable> |
| Emergency Service Number | ESN | <MNEmergencyServiceNumber> |
| MSAG Community Name | MSAG\_C | <MNMSAGCommunityName> |
| Comments | COMMENTS | <MNComments> |

<?xml version="1.0" encoding="UTF-8"?>

<addr:AddressCollection version="0.4" xmlns:addr="addr" xmlns:addr\_type="addr\_type" xmlns:smil20="http://www.w3.org/2001/SMIL20/" xmlns:smil20lang="http://www.w3.org/2001/SMIL20/Language" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xml="http://www.w3.org/XML/1998/namespace" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:MNAddr=“http://metrogis.org/getmedia/961c3c17-f4c9-4e28-83d2-22dc57cf7c51/MetroGIS\_Address\_Points\_Database\_Specifications.pdf.aspx” xsi:schemaLocation="addr addr.xsd ">

<NumberedThoroughfareAddress>

<CompleteAddressNumber>

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<AddressNumber>ANUMBER</AddressNumber>

<AddressNumberSuffix>ANUMBERSUF</AddressNumberSuffix>

</CompleteAddressNumber>

<CompleteStreetName>

<StreetNamePreModifier>ST\_PRE\_MOD</StreetNamePreModifier>

<StreetNamePreDirectional>ST\_PRE\_DIR</StreetNamePreDirectional>

<StreetNamePreType>ST\_PRE\_TYP</StreetNamePreType>

< MNAddr:MNStreetNamePreSeparator>ST\_PRE\_SEP</ MNAddr:MNStreetNamePreSeparator>

<StreetName>ST\_NAME</StreetName>

<StreetNamePostType>ST\_POS\_TYP</StreetNamePostType>

<StreetNamePostDirectional>ST\_POS\_DIR</StreetNamePostDirectional>

<StreetNamePostModifier>ST\_POS\_MOD</StreetNamePostModifier>

</CompleteStreetName>

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<SubaddressIdentifier>SUB\_ID1</SubaddressIdentifier>

</SubaddressElement>

<SubaddressElement ElementSequenceNumber=”2” SubaddressComponentOrder=”1”>

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</SubaddressElement>

</CompleteSubaddress>

<CompleteLandmark>

<LandmarkName>LANDMARK</LandmarkName>

</CompleteLandmark>

<CompletePlaceName>

<PlaceName PlaceNameType="PostalCommunityName">POSTCOMM</PlaceName>

<PlaceName PlaceNameType="Municipal" GNISFeatureID=”MUNI\_CODE”>MUNI\_NAME </PlaceName>

<PlaceName PlaceNameType="County">CO\_NAME</PlaceName>

</CompletePlaceName>

<MNAddr:MNCountyCode>CO\_CODE</MNAddr:MNCountyCode>

<StateName>STATE\_CODE</StateName>

<ZIPCode>ZIP</Zipcode>

<ZIPPlus4>ZIP4</ZIPPlus4>

<AddressID>UNIQUE\_ID</AddressID>

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