

Proposed Street Centerline Data Standard

Date: 3/22/2018

Element Grouping	Field Name	Type	Width	Requirement	Possible Values	Description	Note:
<i>Identification Element</i>	ExtID	LONG	36	Mandatory		Unique ID	
<i>Relate Element</i>	StreetNameID	LONG	36	Optional		Street Name ID	Is the key to a master street name database record
<i>Address Element</i>	FrAddPrefix	TEXT	5	Conditional	N, S, E, W	Base Address Prefix	
<i>Address Element</i>	FrAddL	LONG	10	Mandatory		From Address Left	From - Theoretical Address Range Left
<i>Address Element</i>	FrAddR	LONG	10	Mandatory		From Address Right	From - Theoretical Address Range Right
<i>Address Element</i>	FrAddSuffix	TEXT	5	Optional			
<i>Address Element</i>	ToAddPrefix	TEXT	5	Conditional	N, S, E, W	Base Address Prefix	
<i>Address Element</i>	ToAddL	LONG	10	Mandatory		To Address Left	To - Theoretical Address Range Left
<i>Address Element</i>	ToAddR	LONG	10	Mandatory		To Address Right	To - Theoretical Address Range Right
<i>Address Element</i>	ToAddSuffix	TEXT	5	Optional			
<i>Address Element</i>	FrAddActualPrefix	TEXT	5	Optional	N, S, E, W		
<i>Address Element</i>	FrAddLActual	LONG	10	Optional		From Address Actual - Left	
<i>Address Element</i>	FrAddRActual	LONG	10	Optional		From Address Actual - Right	
<i>Address Element</i>	ToAddActualPrefix	TEXT	5	Optional	N, S, E, W		
<i>Address Element</i>	ToAddLActual	LONG	10	Optional		To Address Actual - Left	
<i>Address Element</i>	ToAddRActual	LONG	10	Optional		To Address Actual - Right	
<i>Address Element</i>	PreModifier	TEXT	50	Conditional	Old	Pre Modifier	Populated from Master Street Name DB
<i>Address Element</i>	abvPreModifier	TEXT	30	Optional	Old		Populated from Master Street Name DB
<i>Address Element</i>	PreDirectional	TEXT	50	Conditional	North	Pre Directional	Populated from Master Street Name DB
<i>Address Element</i>	abvPreDirectional	TEXT	30	Optional	N		Populated from Master Street Name DB
<i>Address Element</i>	PreType	TEXT	50	Conditional	County Highway	Pre Type	Populated from Master Street Name DB
<i>Address Element</i>	abvPreType	TEXT	30	Optional	CTH		Populated from Master Street Name DB
<i>Address Element</i>	BaseName	TEXT	100	Mandatory	Jones or KP	Base name	Populated from Master Street Name DB
<i>Address Element</i>	PostType	TEXT	50	Conditional	Road	Post Type	Populated from Master Street Name DB
<i>Address Element</i>	abvPostType	TEXT	30	Optional	RD		Populated from Master Street Name DB
<i>Address Element</i>	PostDirectional	TEXT	50	Conditional	West	Post Directional	Populated from Master Street Name DB
<i>Address Element</i>	abvPostDirectional	TEXT	30	Optional	W		Populated from Master Street Name DB
<i>Address Element</i>	PostModifier	TEXT	50	Conditional	Frontage Road	Post Modifier	Populated from Master Street Name DB
<i>Address Element</i>	abvPostModifier	TEXT	30	Optional	Frontage Rd		Populated from Master Street Name DB
<i>Address Element</i>	FullStreetName	TEXT	100	Mandatory		Concatenated field for the full street name	Populated from Master Street Name DB
<i>Address Element</i>	AbvStreetName	TEXT	100	Optional		Concatenated field for the full abbreviated street name	Populated from Master Street Name DB
<i>Address Element</i>	ZIPCodeL	TEXT	5	Conditional	53527	ZIP Code Left	
<i>Address Element</i>	ZIPCodeR	TEXT	5	Conditional	53527	ZIP Code Right	
<i>Address Element</i>	ZIPMuniL	TEXT	50	Optional	Cottage Grove	Municipal ZIP Code Name Left	
<i>Address Element</i>	ZIPMuniR	TEXT	50	Optional	Cottage Grove	Municipal ZIP Code Name Right	
<i>Area Element</i>	FIPsMuniCodeL	TEXT	5	Mandatory	17200	Municipal FIPS Left	
<i>Area Element</i>	FIPsMuniCodeR	TEXT	5	Mandatory	17200	Municipal FIPS Right	
<i>Area Element</i>	FIPsMunicipalityL	TEXT	50	Optional	Town of Cottage Grove	Municipal name Left	
<i>Area Element</i>	FIPsMunicipalityR	TEXT	50	Optional	Town of Cottage Grove	Municipal name Right	
<i>Area Element</i>	FIPsCountyCodeL	TEXT	5	Mandatory	025	County FIPS Left	
<i>Area Element</i>	FIPsCountyCodeR	TEXT	5	Mandatory	025	County FIPS Right	
<i>Area Element</i>	FIPsCountyL	TEXT	50	Optional	Dane County	County name Left	

<i>Area Element</i>	FIPsCountyR	TEXT	50	Optional	Dane County	County name Left	
<i>Area Element</i>	FIPsStateCodeL	TEXT	5	Mandatory	55	State FIPS Left	
<i>Area Element</i>	FIPsStateCodeR	TEXT	5	Mandatory	55	State FIPS Right	
<i>Area Element</i>	FIPsStateL	TEXT	50	Optional	Wisconsin	State name Left	
<i>Area Element</i>	FipsStateR	TEXT	50	Optional	Wisconsin	State name Right	
<i>Functional Element</i>	FrElevation	TEXT	5	Mandatory	0, 1, 2	From Elevation - Identifies routing for intersections and overpasses. Base elevation = 0.	Used for Routing
<i>Functional Element</i>	ToElevation	TEXT	5	Mandatory	0, 1, 2	To Elevation - Identifies routing for intersections and overpasses. Base elevation = 0.	Used for Routing
<i>Functional Element</i>	OneWay	TEXT	5	Mandatory	B = 2 way, F = From-To, T = To-From, N= Not Traveled	Identifies the flow direction of a street segment	Used for Routing
<i>Functional Element</i>	SpeedLimit	TEXT	3	Mandatory	30	Speed Limit	
<i>Functional Element</i>	RdCode	TEXT	50	Mandatory	Local Road, County Highway, State Highway, Federal Highway, Interstate, Named Private Drive, Ramp	Identifies the road classification	
<i>Functional Element</i>	RdStatus	TEXT	50	Mandatory	Constructed, Platted, Under Construction	Road status	
<i>Functional Element</i>	LaneNumber	TEXT	5	Optional	2	A count of the number of lane for a road segment	This a of interest for application like snow plow routing
<i>Functional Element</i>	TravelDirection	TEXT	30	Optional	North Bound, NB	Identify the travel direction for divided highways	This is a key element in the naming of ramps

* Ramps name - is a concatenated name that is built from the street the ramps is exiting off of and the street that it is entering to
FromRoadName + FromTravelDirection + ToRoadName + ToTravelDirection + (On or Off)
Example: West Beltline Highway WB Monona Drive NB Off