

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	

Area Element	FIPsCountyL	TEXT	50	Optional	Dane County	County name Left	
Area Element	FIPsCountyR	TEXT	50	Optional	Dane County	County name Right	
Area Element	FIPsStateCodeL	TEXT	5	Mandatory	55	State FIPS Left	
Area Element	FIPsStateCodeR	TEXT	5	Mandatory	55	State FIPS Right	
Area Element	FIPsStateL	TEXT	50	Optional	Wisconsin	State name Left	
Area Element	FipsStateR	TEXT	50	Optional	Wisconsin	State name Right	
Functional Element	FrElevation	TEXT	5	Mandatory	0, 1, 2	From Elevation - Identifies routing for intersections and overpasses. Base elevation = 0.	Used for Routing
Functional Element	ToElevation	TEXT	5	Mandatory	0, 1, 2	To Elevation - Identifies routing for intersections and overpasses. Base elevation = 0.	Used for Routing
Functional Element	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
Functional Element	SpeedLimit	TEXT	3	Mandatory	30	Speed Limit	
Functional Element	RdCode	TEXT	50	Mandatory	Local Road, County Highway, State Highway, Federal Highway, Interstate, Named Private Drive, Ramp	Identifies the road classification	
Functional Element	RdStatus	TEXT	50	Mandatory	Constructed, Platted, Under Construction	Road status	
Functional Element	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
Functional Element	TravelDirection	TEXT	30	Optional	North Bound, NB	Identify the travel direction for divided highways	This is a key element in the naming of ramps
Functional Element	FunctionalClass	TEXT	50	Optional	Principal Arterial-Interstate(1), Principal Arterial-Other Freeway(2), Principal Arterial-Other(3), Minor Arterial(4), Major Collector(5), Minor Collector(6), Local(7)	Identifies the functional classifications for various roads	

* 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