



Washington County Transportation Data Model

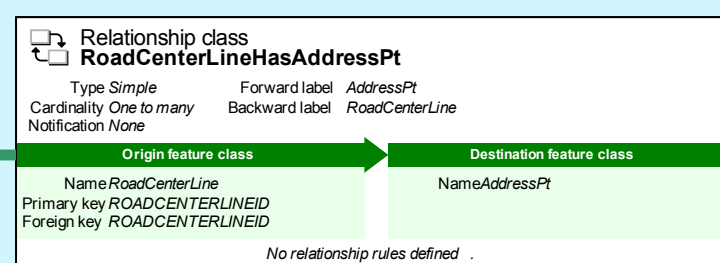
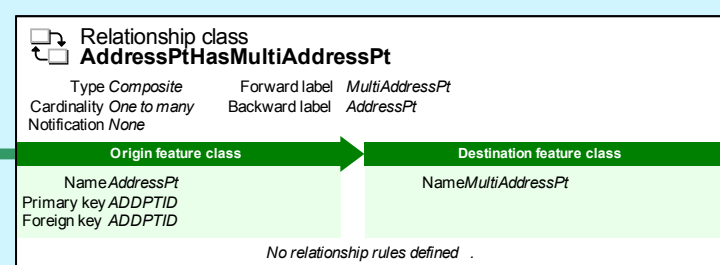
Revision Date: January 5, 2011

- Point Feature Class
- Line Feature Class
- Area Feature Class
- Annotation Feature Class
- Relationship Feature Class

Actively Maintained

Simple feature class RoadCenterLine									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
ROADCENTERLINEID	Long Integer	Yes					10		
FULLSTREETNAME	String	Yes					50		
PREFIXTYPE	String	Yes					10		
PREFDIRECTION	String	Yes		StreetDirection			2		
STREETNAME	String	Yes					50		
SUFFIXTYPE	String	Yes					4		
SUFFDIRECTION	String	Yes		StreetDirection			2		
LEFTFROM	String	Yes					20		
LEFTTO	String	Yes					20		
RIGHTFROM	String	Yes					20		
RIGHTTO	String	Yes					20		
LEFTCITY	String	Yes		Municipality			40		
RIGHTCITY	String	Yes		Municipality			40		
LEFTZIP	String	Yes		ZipCode			11		
RIGHTZIP	String	Yes		ZipCode			11		
LEFTESN	String	Yes					5		
RIGHTESN	String	Yes					5		
ALTNAME1	String	Yes					50		
ALTNAME2	String	Yes					50		
ALTNAME3	String	Yes					50		
MAINTANEDBYOTHERS	String	Yes		Maintenance			50		
ROADTYPE	String	Yes		RoadType			5		
ADDRESSMETHOD	String	Yes		AddressMethod			10		
DIRECTION	Short Integer	Yes		Direction			5		
SOURCE	String	Yes		Plat			5		
BASEMAP	Long Integer	Yes		RoadSource			10		
PASSED	String	Yes					10		
SPEEDLIMIT	Short Integer	Yes					5		
DRIVETIME	Short Integer	Yes					5		
CREATEDON	Date	Yes					0 0 36		
MODIFIEDON	Date	Yes					0 0 36		
ERROR	String	Yes					5		
SHAPE	Geometry	Yes					0 0		
SHAPE.len	Double	No					0 0		

Road Centerlines as seen on orthophotography or estimated based on recent plats.



Simple feature class Road_Infrastructure									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
TYPE	Long Integer	Yes	1				10		
SERVICE_DATE	Date	Yes					0 0 36		
RECONSTRUCTION_DATE	Date	Yes					0 0 36		
NOTES	String	Yes					50		
NAME	String	Yes					50		
SHAPE	Geometry	Yes					0 0		

Subtype Code	Subtype Description	List of defined default values and domains for subtypes in this class
1	RoundAbout	No values set
2	Cul-de-sac	No values set
3	Bridge	No values set

Table FullStreetName									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
FULLSTREETNAME	String	Yes		StreetDirection			50		
PREFDIRECTION	String	Yes					2		
STREETNAME	String	Yes					50		
SUFFIXTYPE	String	Yes					4		
SUFFDIRECTION	String	Yes		StreetDirection			2		

List of Valid Street Names - Used to parse the FullStreetName in various Features

Code	Description
WB	City of West Bend

Simple feature class MultiAddressPt									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
ADDPID	String	Yes					15		
MUNICIPALITY	String	Yes		Municipality			40		
UNITTYPE	String	Yes		UNIT			4		
UNTDISC	String	Yes		UnitType			20		
STATUS	String	Yes	P				1		
CREATEDON	Date	Yes		AdtpStatus			0 0 36		
MODIFIEDON	Date	Yes					0 0 36		
RETREIDON	Date	Yes					0 0 36		
SOURCE	String	Yes					50		
MAINTANEDBYOTHERS	String	Yes		Maintenance			2		
SUBTYPE	String	Yes		SubUnit			10		
ERROR	String	Yes					5		
SHAPE	Geometry	Yes					0 0		

Addresses for units within a single address point.

Simple feature class AddressPt									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
ADDPID	String	Yes					15		
ROADCENTERLINEID	Long Integer	Yes					10		
HOUSENUMBER	String	Yes					10		
FULLSTREETNAME	String	Yes					50		
PREFDIRECTION	String	Yes					2		
STREETNAME	String	Yes					50		
SUFFIXTYPE	String	Yes					4		
SUFFDIRECTION	String	Yes					2		
MUNICIPALITY	String	Yes		Municipality			40		
ZIPCODE	String	Yes		ZipCode			5		
ALTNAME1	String	Yes					50		
ALTNAME2	String	Yes					50		
ALTNAME3	String	Yes					50		
MLEMARKER	String	Yes					5		
MAINTANEDBYOTHERS	String	Yes		Maintenance			2		
FACILITYID	Long Integer	Yes					10		
PLACENAME	String	Yes		Plat			50		
ADDRESSMETHOD	String	Yes		AddressMethod			10		
STATUS	String	Yes	P				1		
ESN	String	Yes		AdtpStatus			5		
RESIDENTIAL	String	Yes					1		
CREATEDON	Date	Yes		YesNo			0 0 36		
MODIFIEDON	Date	Yes					0 0 36		
RETREIDON	Date	Yes					0 0 36		
ERROR	String	Yes					5		
SHAPE	Geometry	Yes					0 0		

Primary Address Points. Wherever possible the point is placed on the structure as seen on orthophotography.

Domains

Code	Description
WB	City of West Bend

Code	Description
A	Active
R	Reserved
U	Unknown
P	Place Holder
N	Retired

Code	Description
TRAD	Traditional Address
COORD	Coordinate Address
HWY	Highway

Code	Description
2	Two-way Road
-1	One-way same as line direction
1	One-way opposite as line direction
0	Travel Not Permitted

Code	Description
2000 Ortho	2000 Orthophotography
2005 Ortho	2005 Orthophotography
Plat	Split Right of Way from Plat or CSM
West Bend	City of West Bend GIS
2008 NAP	2008 National Agricultural Imagery Program
2010 Ortho	2010 Orthophotography

Code	Description
DR	Drive
CT	Court
LA	Lake
RD	Road
ST	Street
AV	Avenue
CR	Circle
PL	Place
TR	Trail
WAY	Way
PRKY	Parkway
PAS	Pas
TER	Terace
BLVD	Bolevard
BLV	Blv
HLL	Hill
PT	Point
XNG	Crossing
SQ	Square

Code	Description
Address	Sub-Unit Address
Carbo	Carbo Unit

Code	Description
53002	53002
53010	53010
53012	53012
53017	53017
53021	53021
53022	53022
53027	53027
53028	53028
53033	53033
53037	53037
53040	53040
53051	53051
53061	53061
53075	53075
53076	53076
53078	53078
53080	53080
53086	53086
53090	53090
53091	53091
53096	53096

Code	Description
Y	Yes
N	No
U	Unknown

Topology

Roads_Topology
Cluster Tolerance 0.0002060511 US Survey Feet

Participating feature classes and ranks

Feature Class	Rank
RoadCenterline	1

Topology Rules

Origin Feature Class	Topology rule
RoadCenterline	Must Not Have Dangles
RoadCenterline	Must Not Self-Overlap
RoadCenterline	Must Not Self-Intersect
RoadCenterline	Must Be Single Part
RoadCenterline	Must Not Intersect

Error Codes

Road Centerlines

This attribute was created and used during a 2006 project that validated existing road centerline attributes. The error code flags those items that were found to be incorrect in the original file and corrected as part of the 2006 project.

The error code is a 5 digit number. Each position corresponds to a specific attribute. A 1 in any position indicates that an error was found and corrected for the corresponding attribute, a 0 in indicates no change to the corresponding attribute was made.

POS	Field
1	RightTo
2	RightFrom
3	LeftTo
4	LeftFrom
5	StreetName

Address Points

The level of uncertainty in the placed address is represented as a 2 character code.

First Position - Mapped Location

Code	Description
A	Mapped on Structure
B	Mapped to Centerline
C	Other (could not find)

Second Position - Matched To Centerline

Code	Description
a	Matched to Centerline
b	Has duplicate centerline ranges
c	Matches Centerline Name, but is out of the Address Range
d	Doesn't Match Any Centerline Name

Legacy Features Not Actively Maintained

Simple feature class Railroad_Centerlines									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
FNODE	Double	Yes					10		
THICK	Double	Yes					10		
LPOLY	Double	Yes					10		
RPOLY	Double	Yes					10		
LENGTH	Double	Yes					23 5		
RRDLWHIC	Double	Yes					10		
RRDLWHIC2	Double	Yes					10		
RR_CHN_ID	Double	Yes					10		
STUS	String	Yes					0 0 36		
DT_REPR_CU	Date	Yes					0 0 36		
DT_REPR_HS	Date	Yes					0 0 36		
DT_TRX_CUR	Date	Yes					0 0 36		
DT_TRX_HST	Date	Yes					0 0 36		
RR_RTE_NM	String	Yes					40		
RR_RTE_TY	String	Yes					1		
RR_OWNER_NM	String	Yes					5		
RR_RTE_ID	String	Yes					40		
SYS_DSQT_T	String	Yes					1		
GAVPRMARY	Double	Yes					10		
ID	Double	Yes					10		
SHAPE	Geometry	Yes					0 0		
SHAPE.len	Double	No					0 0		

Active Railroads

Simple feature class Alley									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
MSLINK	Double	Yes					0 0		
SHAPE	Geometry	Yes					0 0		
SHAPE.len	Double	No					0 0		

Alleys as identified on year 2000 Orthophotography. No new alleys have been added since 2000

Simple feature class Cul_De_Sac									
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Geometry Contains M values	Geometry Contains Z values
OBJECTID	ObjectID								
MSLINK	Double	Yes					0 0		
SHAPE	Geometry	Yes					0 0		