



Washington County Transportation Data Model

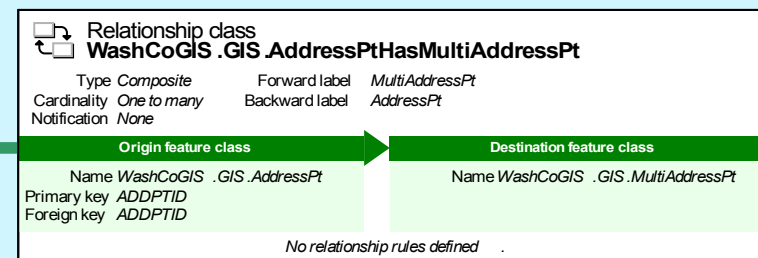
Revision Date : April 24, 2007

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

Actively Maintained

Simple feature class WashCoGIS_GIS_RoadCenterLine						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			10	
ROADCENTERLINEID	Long Integer	Yes			50	
FULLSTREETNAME	String	Yes			50	
PREFIXTYPE	String	Yes			2	
PREFDIRECTION	String	Yes			50	
STREETNAME	String	Yes		StreetDirection	50	
SUFFIXTYPE	String	Yes			4	
SUFFDIRECTION	String	Yes		StreetDirection	50	
LEFTFROM	String	Yes			20	
LEFTTO	String	Yes			20	
RIGHTFROM	String	Yes			20	
RIGHTTO	String	Yes			20	
LEFTOTY	String	Yes		Municipalities	40	
RIGHTOTY	String	Yes		Municipalities	40	
LEFTZIP	String	Yes		ZipCode	11	
RIGHTZIP	String	Yes		ZipCode	11	
LEFTESN	String	Yes			5	
RIGHTESN	String	Yes			5	
ALTNAME 1	String	Yes			50	
ALTNAME 2	String	Yes			50	
ALTNAME 3	String	Yes			50	
MAINTAINEDBYOTHERS	String	Yes		Maintenance	2	
ROADTYPE	String	Yes		RoadType	5	
ADDRESSMETHOD	String	Yes		AddressMethod	10	
DIRECTION	Short Integer	Yes		Direction	5	
SOURCE	String	Yes		RoadSource	50	
BASEMAP	Long Integer	Yes		Flat	10	
PASEROID	String	Yes			10	
SPEEDLIMIT	Short Integer	Yes			5	
DRIVETIME	Short Integer	Yes			5	
CREATEDON	Date	Yes			0	36
MODIFIEDON	Date	Yes			0	36
RETIREDON	Date	Yes			0	36
ERROR	String	Yes			5	
SHAPE	Geometry	Yes				
SHAPE len	Double	No			0	0

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



Simple feature class WashCoGIS_GIS_MultiAddressPt						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			15	
ADDRESSPT	String	Yes			40	
MUNICIPALITY	String	Yes		Municipalities	40	
UNITTYPE	String	Yes	UNIT	UnitType (See Domain)	4	
UNITESN	String	Yes			20	
STATUS	String	Yes	P	AddrStatus	1	
CREATEDON	Date	Yes			0	36
MODIFIEDON	Date	Yes			0	36
RETIREDON	Date	Yes			0	36
SOURCE	String	Yes		Maintenance	50	
MAINTAINEDBYOTHERS	String	Yes			2	
SUBTYPE	String	Yes		SubUnit	10	
ERROR	String	Yes			5	
SHAPE	Geometry	Yes				

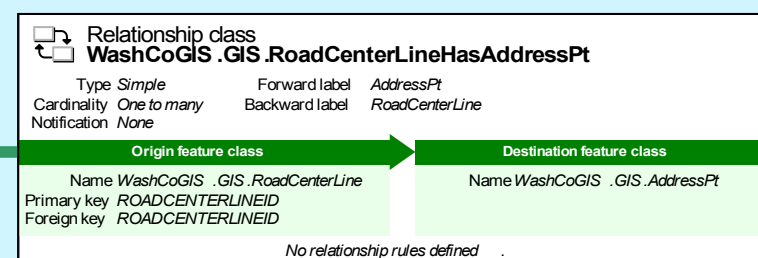
Addresses for units within a single address point

Simple feature class WashCoGIS_GIS_AddressPt						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			15	
ADDRESSPT	String	Yes			10	
ROADCENTERLINEID	Long Integer	Yes			50	
HOUSENUMBER	String	Yes			10	
FULLSTREETNAME	String	Yes			50	
PREFDIRECTION	String	Yes			2	
STREETNAME	String	Yes			50	
SUFFIXTYPE	String	Yes			5	
SUFFDIRECTION	String	Yes			2	
MUNICIPALITY	String	Yes		Municipalities	40	
ZIPCODE	String	Yes		ZipCode	5	
ALTNAME 1	String	Yes			50	
ALTNAME 2	String	Yes			50	
ALTNAME 3	String	Yes			50	
MILEMARKER	String	Yes			2	
MAINTAINEDBYOTHERS	String	Yes			2	
FACILITYID	Long Integer	Yes			10	
FLACILITYID	String	Yes			50	
SOURCE	String	Yes		RoadSource	50	
ADDRESSMETHOD	String	Yes		AddressMethod	10	
STATUS	String	Yes	P	AddrStatus	1	
ESN	String	Yes			5	
RESIDENTIAL	String	Yes		Yes/No	1	
CREATEDON	Date	Yes			0	36
MODIFIEDON	Date	Yes			0	36
RETIREDON	Date	Yes			0	36
ERROR	String	Yes			5	
SHAPE	Geometry	Yes				

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

Table WashCoGIS_GIS_FullStreetName						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			10	
FULLSTREETNAME	String	Yes			50	
PREFDIRECTION	String	Yes		StreetDirection	2	
STREETNAME	String	Yes			50	
SUFFIXTYPE	String	Yes		StreetType	4	
SUFFDIRECTION	String	Yes		StreetDirection	2	

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



Domains

Coded value domain AddressMethod		
Description	Addressing Method	
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
TRAD	Traditional Address	
COORD	Coordinate Address	
HWY	Highway	

Coded value domain Maintenance		
Description	Maintained by	
Field type	Others	
Split policy	String	
Merge policy	Default value	
Code	Description	
WBS	City of West Bend	

Coded value domain RoadSource		
Description	Source of Road	
Field type	Centerline	
Split policy	Information	
Merge policy	String	
Code	Description	
2000	Orthophotography	
2005	Orthophotography	
APPROX	Approximation	
SPR	Split Right of Way	

Coded value domain StreetDirection		
Description	Street Address	
Field type	Directional	
Split policy	String	
Merge policy	Default value	
Code	Description	
N	N	
S	S	
E	E	
W	W	
NB	NB	
SB	SB	
EB	EB	
WB	WB	

Coded value domain SubUnit		
Description	Type of SubUnit	
Field type	String	
Split policy	String	
Merge policy	Default value	
Code	Description	
ADRES	Sub Unit Address	
CONDS	Condo Unit	

Coded value domain ZipCode		
Description	Zip Code for Mailing	
Field type	Address Purposes	
Split policy	String	
Merge policy	Default value	
Code	Description	
53002	53002	
53010	53010	
53012	53012	
53017	53017	
53021	53021	
53022	53022	
53027	53027	
53029	53029	
53033	53033	
53037	53037	
53040	53040	
53051	53051	
53066	53066	
53075	53075	
53076	53076	
53078	53078	
53080	53080	
53086	53086	
53090	53090	
53091	53091	
53095	53095	

Coded value domain AddptStatus		
Description	Status of Address	
Field type	Point	
Split policy	String	
Merge policy	Default value	
Code	Description	
A	Active	
R	Reserved	
U	Unknown	
P	Place Holder	

Coded value domain Municipalities		
Description	Valid Municipality	
Field type	Codes	
Split policy	String	
Merge policy	Default value	
Code	Description	
36	City of Hartford	
T1	Town of Addison	
T2	Town of Barton	
T3	Town of Erin	
T4	Town of Farmington	
T5	Town of Germantown	
T6	Town of Jackson	
T7	Town of Park	
T8	Town of Kaukaun	
T9	Town of Rock	
T10	Town of Richfield	
T11	Town of Trenton	
T12	Town of Wayne	
T13	Town of West Bend	
GTNV	Village of Germantown	
V3	Village of Jackson	
V4	Village of Kaukaun	
V5	Village of Slinger	
V6	Village of Newburg	

Coded value domain RoadType		
Description	Functional Classification	
Field type	String	
Split policy	String	
Merge policy	Default value	
Code	Description	
CTH	County Highway	
CYS	City Village Street	
PRV	Private Street	
STH	State Highway	
TWN	Township Road	
USH	US Highway	

Coded value domain StreetType		
Description	Street Type	
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
DR	Drive	
CT	Court	
LA	Lane	
RD	Road	
ST	Street	
AV	Avenue	
CR	Circle	
FL	Fl	
TR	Trail	
WAY	Way	
PKWY	Parkway	
PASS	Pass	
TBR	Terrace	
BLVD	Boulevard	
BAY	Bay	
HLL	Hill	
PT	Point	
XING	Crossing	
SQ	Square	

Coded value domain UnitType		
Description	Address Subunit	
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
UNIT	Unit	
APT	Apartment	
STE	Suite	
BLDG	Building	
HNGR	Hanger	
FL	Floor	
RM	Room	

Coded value domain YesNo		
Description	Yes No	
Field type	String	
Split policy	Default value	
Merge policy	Default value	
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 the a 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 Cent erline

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 WashCoGIS_GIS_Railroad_Centerlines						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			10	
RNODE	Double	Yes			10	0
LNODE	Double	Yes			10	0
LPOLY	Double	Yes			10	0
RPOLY	Double	Yes			10	0
LENGTH	Double	Yes			23	5
RSDW91C	Double	Yes			10	0
RDLW91C	Double	Yes			10	0
RR_CEN_ID	String	Yes			10	0
STUS	String	Yes			1	
DT_REPR_CU	Date	Yes			0	36
DT_REPR_HS	Date	Yes			0	36
DT_TRX_CUR	Date	Yes			0	36
DT_TRX_HST	Date	Yes			0	36
RR_RTE_TY	String	Yes			1	
RR_OWNR_NM	String	Yes			5	
RR_RTE_NM	String	Yes			40	
SYS_DSGT_T	String	Yes			1	
GAVPRIMARY	Double	Yes			10	0
ID	Double	Yes			10	0
SHAPE	Geometry	Yes				
SHAPE len	Double	No			0	0

Active Railroads

Simple feature class WashCoGIS_GIS_Alley						
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	ObjectID	Yes			0	0
MSLINK	Double	Yes			0	0
SHAPE	Geometry	Yes				
SHAPE len	Double	No			0	0

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

Simple feature class WashCoGIS_GIS_Cul_De_Sac					Geometry Contains M values Contains Z values	Polygon No No
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale Length
OBJECTID	Object ID	Yes			0	0
MSLINK	Double	Yes			0	0
SHAPE	Geometry	Yes				
SHAPE_area	Double	No			0	0
SHAPE_peri	Double	No			0	0