Street Network SDE Feature Data Set Schema

Street Network Feature Class

Simple feature class — StreetNetwork — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
L_ADD_FROM	Long integer	Yes			0		
L_ADD_TO	Long integer	Yes			0		
R_ADD_FROM	Long integer	Yes			0		
R_ADD_TO	Long integer	Yes			0		
PRE_DIR	String	Yes					1
STREET_NAME	String	Yes					50
STREET_TYPE	String	Yes					4
SUF_DIR	String	Yes					1
DATENO	String	Yes					
NS_CODE	String	Yes					1
CONFIDENCE	Short integer	Yes			0		
TRANSPORTATION_CLASS	Long integer	Yes			0		
CIRCULATION_CLASS	Long integer	Yes			0		
STATUS	Short integer	Yes			0		
STRUCTURE	Short integer	Yes			0		
SURFACE	Short integer	Yes			0		
UPDATE_TYPE	String	Yes					1
L_ZIP	Long integer	Yes			0		
R_ZIP	Long integer	Yes			0		
L_FDZ	Long integer	Yes			0		
R_FDZ	Long integer	Yes			0		
L_REPORTING_DISTRICT	Long integer	Yes			0		
R_REPORTING_DISTRICT	Long integer	Yes			0		
L_CITY	String	Yes					4
R_CITY	String	Yes					4
EXCEPTION_FLAG	String	Yes					32
SHAPE_Length	Double	Yes			0	0	
SHAPE_Area	Double	Yes			0	0	

Subtypes of StreetNetwork
Subtype field: TRANSPORTATION_CLASS
Default subtype: 6000

Subtype Code	Subtype Description	Field name	Default value	Domain
0	NonStreet	NonStreet		
1000	Freeway	Freeway	1000	1000
2000	Major Arterial	Major	2000	2000
3000	Minor Arterial	Minor	3000	3000
5000	Collector	Collector	5000	5000
6000	Street	Street	6000	6000

Arterial Road (Major) A high-capacity city street which has as its primary function the accommodation of vehicular and pedestrian traffic between major traffic-generating areas in urban areas or between such areas and those elements of the provincial highway system which carry traffic between neighboring municipalities.

Arterial Road (Local) A high-capacity city street which has as its primary function the accommodation of locally-generated vehicular and pedestrian traffic traveling between collector streets, local roads and individual premises to the major arterial road

Collector Road A local city street, open at both ends, intended to serve locally generated vehicular and pedestrian traffic traveling between individual properties within that local area, or traveling into or out of the local area to gain access to or egress from the arterial road system.

Topological Relationships

Feature Class	Rule	Feature Class
StreetNetwork	Must Not Overlap	
StreetNetwork	Must Not Self-Overlap	
StreetNetwork	Must Be Single Part	
StreetNetwork	Boundary Must Be Covered By	ZipCode
ZipCode	Must Not Overlap	
ZipCode	Must Not Overlap	
ZipCode	Must Be larger than cluster tolerance	
Fire Demand Codes	Boundary Must Be Covered By	StreetNet
Fire Demand Codes	Must Not Overlap	
Fire Demand Codes	Must Be larger than cluster tolerance	
Sheriff Reporting District	Boundary Must Be Covered By	StreetNet
Sheriff Reporting District	Must Be larger than cluster tolerance	
Ambulance	Boundary Must Be Covered By	StreetNet
Ambulance	Must Not Overlap	
Ambulance	Must Be larger than cluster tolerance	
Cities	Boundary Must Be Covered By	StreetNet
Cities	Must Not Overlap	
Cities	Must Be larger than cluster tolerance	
Precincts	Boundary Must Be Covered By	StreetNet
Precincts	Must Not Overlap	
Precincts	Must Be larger than cluster tolerance	
Census Tract	Boundary Must Be Covered By	StreetNet
Census Tract	Must Not Overlap	
Census Tract	Must Be larger than cluster tolerance	
Quads	Must Not Overlap	
Quads	Must Be larger than cluster tolerance	

- Polygon feature class **SBCISD01.AmbulanceCAD** — Ambulance dispatch zones
- Polygon feature class **SBCISD01.CensusTract_2000** — 2000 Census tracts
- Polygon feature class **SBCISD01.CityComm** — City / Community boundaries
- Polygon feature class **SBCISD01.FireCAD** — Fire demand zones
- Polygon feature class **SBCISD01.Precinct** — Registrar of Voters precincts
- Polygon feature class **SBCISD01.SheriffCAD** — Sheriff reporting districts
- Line feature class **SBCISD01.StNet** — Transportation street centerlines
- Polygon feature class **SBCISD01.ZipCode** — Zip code boundaries

Topological Overlay Classes

Ambulance Dispatch Zones
Simple feature class — SBCISD01.AmbulanceCAD — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
AMB	String	Yes					2
SHAPE	Geometry	Yes					
SHAPE_AREA	Double	No			0	0	
SHAPE_LEN	Double	No			0	0	

2000 Census Tracts
Simple feature class — SBCISD01.CensusTract_2000 — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID	Yes					
TRACT	String	Yes			6		15
REGION	String	Yes					
TRACT_	Float	Yes			6	2	
TOT_POP	Long integer	Yes			9		
SQ_MI	Double	Yes			8	2	
POP_SQ_MI	Double	Yes			8	2	
SHAPE	Geometry	Yes					
SHAPE_AREA	Double	No			0	0	
SHAPE_LEN	Double	No			0	0	

City / Community Boundaries
Simple feature class — SBCISD01.CityComm — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID	Yes					
CITY	String	Yes					4
CODE	Short integer	Yes			3		
SPHERE	String	Yes					4
SQ_MILES	Double	Yes			8	2	
ACRES	Double	Yes			13	2	
REGION	String	Yes					15
CITY_COMM_NAME	String	Yes					35
C	String	Yes					1
SMALL	Short integer	Yes			1		
S	String	Yes					1
ICS	String	Yes					3
UNINC	String	Yes					1
SHAPE	Geometry	Yes					
SHAPE_AREA	Double	No			0	0	
SHAPE_LEN	Double	No			0	0	

Fire Demand Zones
Simple feature class — SBCISD01.FireCAD — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
FDZ	String	Yes					5
JURIS	String	Yes					3
TYPE	String	Yes					1
BATT	String	Yes					20
BAT_	Short integer	Yes			2		
RESP	Long integer	Yes			9		
AGENCY	String	Yes					3
DEMANDZONE	String	Yes					3
BATTALION	String	Yes					1
QCTEST	String	Yes					6
SHAPE	Geometry	Yes					
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Registrar of Voters Precincts
Simple feature class — SBCISD01.Precinct — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
PRECINCT_NO	Long integer	Yes			8		
NOPRINT	String	Yes					1
DATE_STAMP	Date	Yes			0	0	36
DISTRICT_LIST	String	Yes					256
VOTERCOUNT	Short integer	Yes			4		
PREFIX	Short integer	Yes			3		
PREC	Short integer	Yes			3		
PORTION	Short integer	Yes			1		
CONSTANT	String	Yes					4
SHAPE	Geometry	Yes					
SHAPE_AREA	Double	No			0	0	
SHAPE_LEN	Double	No			0	0	

Sheriff Reporting Districts
Simple feature class — SBCISD01.SheriffCAD — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
RD	String	Yes					5
CODE	String	Yes			3		
SHAPE	Geometry	Yes					
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Zip Code Boundaries
Simple feature class — SBCISD01.ZipCode — Geometry *Polygon*, Contains M values *No*, Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
STATE	String	Yes					2
COUNTY	String	Yes					3
ZIP	String	Yes					5
NAME	String	Yes					24
ZIP_TYPE	String	Yes					1
NAME_TYPE	String	Yes					1
MAJOR	String	Yes					3
MINOR	String	Yes					3
MINOR2	String	Yes					3
SQMILE	Double	Yes			7	3	
TOT_ZIP_ACRES	Double	Yes			16	5	
REGION	String	Yes					15
ZIP_CODE	Long integer	Yes			5		
SHAPE	Geometry	Yes					
SHAPE AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Street Network Coded Domains

Coded value domain — City/Community — Description *City Community Codes*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
COL	COLTON AREA
COLC	COLTON CITY
NBY	ABY - AMBOY
ADC	ADC - ADELANTO AREA
ADCC	ADCC - ADELANTO CITY
ADCS	ADCS - ADELANTO SPHERE
ANG	ANG - ANGELES OAKS
APP	APP - APPLE VALLEY AREA
APPC	APPC - APPLE VALLEY CITY
APPS	APPS - APPLE VALLEY SPHERE
ARB	ARB - ARROWBEAR
ARG	ARG - ARGUS
BAK	BAK - BAKER
BAR	BAR - BARSTOW AREA
BARC	BARC - BARSTOW CITY
BARS	BARS - BARSTOW SPHERE
BBC	BBC - BIG BEAR LAKE AREA
BBLC	BBLC - BIG BEAR LAKE CITY
BBLS	BBLS-BIG BEAR LAKE SPHERE
BCR	BCR - BEAR CREEK
BDM	BDM - BALDY MESA
BFL	BFL - BARTON FLATS
BGR	BGR -BIG RIVER
BLD	BLD - BALDY
BLO	BLO - BLOOMINGTON
BLU	BLU - BLUE JAY
CAJ	CAJ - CAJON
CAP	CAP - CHINO AGRICULTURAL PRESERVE
CDZ	CDZ - CADIZ
CED	CED - CEDAR GLEN
CHH	CHH - CHINO HILLS AREA
CHHC	CHHC - CHINO HILLS CITY
CHHS	CHHS - CHINO HILLS SPHERE
CHI	CHI - CHINO AREA
CHIC	CHIC - CHINO CITY
CHS	CHS - CHINO SPHERE
CHL	CHL - CHINA LAKE
CMA	CMA - CIMA
COLS	COLS - COLTON SPHERE
CPP	CPP - CEDARPINES PARK
CRA	CRA - CRAFTON
CRL	CRL - CRESTLINE
CRM	CRM - CHOCOLATE/CLEGHORN Lake GUNNERY
CUD	CUD - CUDDYBACK
DAG	DAG - DAGGETT
DEV	DEV - DEVORE
EDW	EDW - EDWARDS AIR FORCE BASE
ELM	ELM - EL MIRAGE
ERP	ERP - EARP
ESX	ESX - ESSEX
FAW	FAW - FAWNSKIN
FFL	FFL - FOREST FALLS
FON	FON - FONTANA AREA
FONC	FONC - FONTANA CITY
FONS	FONS - FONTANA SPHERE
FTI	FTI - FORT IRWIN
GEO	GEO - GEORGE AIR FORCE BASE
GRT	GRT - GRAND TERRACE AREA
GRTC	GRTC - GRAND TERRACE CITY
GRTS	GRTS - GRAND TERRACE SPHERE
GVL	GVL - GREEN VALLEY LAKE
HAV	HAV - HAVASU
HES	HES - HESPERIA AREA
HESC	HESC - HESPERIA CITY
HESS	HESS - HESPERIA SPHERE
HGC	HGC - HIGHLAND CITY
HGS	HGS - HIGHLAND SPHERE
HNK	HNK - HINKLEY
HOL	HOL - HOLCOMB VALLEY
HRV	HRV - HARVARD
IRN	IRN - IRON MOUNTAIN
IVP	IVP - IVANPAH
JNV	JNV - JOHNSON VALLEY
JOT	JOT - JOSHUA TREE
KEL	KEL - KELSO
KRU	KRU - KRAMER JUNCTION
LAA	LAA - LAKE ARROWHEAD
LDR	LDR - LANDERS
LEN	LEN - LENWOOD
LOM	LOM - LOMA LINDA AREA
LOMC	LOMC - LOMA LINDA CITY
LOMS	LOMS - LOMA LINDA SPHERE
LUC	LUC - LUCERNE VALLEY
LUD	LUD - LUDLOW
LYC	LYC - LYTLE CREEK
MEN	MEN - MENTONE
MOR	MOR - MORONGO
MTC	MTC - MONTCLAIR AREA
MTCC	MTC - MONTCLAIR CITY
MTCS	MTCS - MONTCLAIR SPHERE
MTH	MTH - MOUNTAIN HOME
MTP	MTP - MOUNTAIN PASS
MUS	MUS - MUSCOY
NBD	NBD - NEWBERRY SPRINGS
NEB	NEB - NEBO
NED	NED - NEEDLES AREA
NEDC	NEDC - NEEDLES CITY
NEDS	NEDS - NEEDLES SPHERE
OKG	OKG - OAK GLEN
ONT	ONT - ONTARIO AREA
ONTC	ONTC - ONTARIO CITY
ONTS	ONTS - ONTARIO SPHERE
ORO	ORO - ORO GRANDE
PHL	PHL - PHELAN
PIN	PIN - PINION HILLS
PIO	PIO - PIONEER TOWN
PKD	PKD - PARKER DAM
RCC	RCC - RANCHO CUCAMONGA AREA
RCCC	RCCC - RANCHO CUCAMONGA CITY
RCCS	RCCS - RANCHO CUCAMONGA SPHERE
RED	RED - REDLANDS AREA
REDC	REDC - REDLANDS CITY
REDS	REDS - REDLANDS SPHERE
RIA	RIA - RIALTO AREA
RIAC	RIAC - RIALTO CITY
RIAS	RIAS - RIALTO SPHERE
RIC	RIC - RICE
RID	RID - RIDGECREST
RIM	RIM - RIM FOREST
RIV	RIV - RIVERSIDE CO.
RIVC	RIVC - RIVERSIDE
RMT	RMT - RED MOUNTAIN
RRK	RRK - RIMROCK
RSP	RSP - RUNNING SPRINGS
SAH	SAH - SAN ANTONIO HEIGHTS
SBC	SBC - SAN BERNARDINO COUNTY AREA
SBD	SBD - SAN BERNARDINO AREA
SBDC	SBDC - SAN BERNARDINO CITY
SBDS	SBDS - SAN BERNARDINO SPHERE
SIL	SIL - SILVERWOOD
SKY	SKY - SKYFOREST
SUG	SUG - SUGARLOAF
SVL	SVL - SPRING VALLEY LAKE
SVV	SVV - SEARLES VALLEY
TMD	TMD - TWENTYNINE PALMS MARINE BASE
TNP	TNP - TWENTYNINE PALMS AREA
TNPC	TNPC - TWENTYNINE PALMS CITY
TNPS	TNPS - TWENTYNINE PALMS SPHERE
TPK	TPK - TWIN PEAKS
TRN	TRN - TRONA
UPD	UPD - UPLAND AREA
UPDC	UPDC - UPLAND CITY
UPDS	UPDS - UPLAND SPHERE
VDU	VDU - VICTOR DUNES
VDL	VDL - VIDAL
VER	VER - VERDEMONT
VOE	VOE - VALLEY OF ENCHANTMENT
VVC	VVC - VICTORVILLE AREA
VVCC	VVC - VICTORVILLE CITY
VVCS	VVCS - VICTORVILLE SPHERE
WON	WON - WONDER VALLEY
WWD	WWD - WRIGHTWOOD
YER	YER - YERMO
YUC	YUC - YUCAIPA AREA
YUCC	YUCC - YUCAIPA CITY
YUCS	YUCS - YUCAIPA SPHERE
YVVY	YVVY - YUCCA VALLEY AREA
YVYC	YVYC - YUCCA VALLEY CITY
YVYS	YVYS - YUCCA VALLEY SPHERE

Coded value domain — SUFDIR — Description *Suffix Directions*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
E	East
N	North
S	South
W	West

Coded value domain — PREDIR — Description *Prefix Directions*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
E	East
N	North
S	South
W	West

Coded value domain — StreetType — Description *Street Type*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
ALY	ALY - ALLEY
ANX	ANX - ANNEX
ARC	ARC - ARCADE
BYU	BYU - BAYOU
BCH	BCH - BEACH
BND	BND - BEND
BLF	BLF - BLUFF
BTM	BTM - BOTTOM
BR	BR - BRANCH
BRG	BRG - BRIDGE
BRK	BRK - BROOK
BRKS	BRKS - BROOKS
BG	BG - BURG
BYP	BYP - BYPASS
CP	CP - CAMP
CYN	CYN - CANYON
CPE	CPE - CAPE
CIR	CIR - CIRCLE
CFL	CFL - CLIFF
CLB	CLB - CLUB
CMN	CMN - COMMON
COR	COR - CORNER
CRSE	CRSE - COURSE
CT	CT - COURT
CV	CV - COVE
CRK	CRK - CREEK
CRST	CRST - CREST
CURV	CURV - CURVE
CTOF	CTOF - CUTOFF
DL	DL - DALE
DM	DM - DAM
DELL	DELL - DELL
DV	DV - DIVIDE
DR	DR - DRIVE
EST	EST - ESTATE
EXPY	EXPY - EXPRESS
FALL	FALL - FALL
FRY	FRY - FERRY
FRG	FRG - FORGE
FRK	FRK - FORK
FT	FT - FORT
FWY	FWY - FREEWAY
GTWY	GTWY - GATEWAY
GLN	GLN - GLEN
GRN	GRN - GREEN
GRV	GRV - GROVE
HBR	HBR - HARBOR
HVN	HVN - HAVEN
HTS	HTS - HEIGHTS
HWY	HWY - HIGHWAY
HL	HL - HILL
HOLW	HOLW - HOLLOW
INLT	INLT - INLET
IS	IS - ISLAND
ISLE	ISLE - ISLE
KY	KY - KEY
KNL	KNL - KNOLL
LK	LK - LAKE
LNDG	LNDG - LANDING
LN	LN - LANE
LGT	LGT - LIGHT
LF	LF - LOAF
LCK	LCK - LOCK
LDG	LDG - LODGE
LOOP	LOOP - LOOP
MALL	MALL - MALL
MNR	MNR - MANOR
MDW	MDW - MEADOW
MEWS	MEWS - MEWS
ML	ML - MILL
MSN	MSN - MISSION
MT	MT - MOUNT
NCK	NCK - NECK
ORCH	ORCH - ORCHARD
OVAL	OVAL - OVAL
PARK	PARK - PARK
PKWY	PKWY - PARKWAY
PASS	PASS - PASS
PSGE	PSGE - PASSAGE
PATH	PATH - PATH
PIKE	PIKE - PIKE
PNE	PNE - PINE
PL	PL - PLACE
PLN	PLN - PLAIN
PLZ	PLZ - PLAZA
PT	PT - POINT
PRT	PRT - PORT
PR	PR - PRAIRIE
RAD	RADL - RADIAL
RAMP	RAMP - RAMP
RNCH	RNCH - RANCH
RPD	RPD - RAPID
RST	RST - REST
RDG	RDG - RIDGE
RIV	RIV - RIVER
RD	RD - ROAD
ROW	ROW - ROW
RUE	RUE - RUE
RUN	RUN - RUN
SHL	SHL - SHOAL
SHR	SHR - SHORE
SKWY	SKWY - SKYWAY
SPG	SPG - SPRING
SPUR	SPUR - SPUR
SQ	SQ - SQUARE
STA	STA - STATION
STRM	STRM - STREAM
ST	ST - STREET
SMT	SMT - SUMMIT
TER	TER - TERRACE
TRCE	TRCE - TRACE
TRAK	TRAK - TRACK
TRL	TRL - TRAIL
TUNL	TUNL - TUNNEL
UN	UN - UNION
VLY	VLY - VALLEY
VIA	VIA - VIA
VW	VW - VIEW
VLG	VLG - VILLAGE
VIS	VIS - VISTA
WALK	WALK - WALK
WAY	WAY - WAY
WL	WL - WELL

Coded value domain — Update — Description *Update Type*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
A	A - New segment added
I	I - Initial load from county DIME file
P	P - Positional aspect of segment modified
U	U - Segment attribute updated

Coded value domain — VerticalAlignment — Description *Valid symbol vertical alignment values*, Field type *Short integer*, Split policy *Duplicate*, Merge policy *Default value*

Code	Description
0	Top
1	Center
2	Baseline
3	Bottom

Coded value domain — HorizontalAlignment — Description *Valid horizontal symbol alignment values*, Field type *Short integer*, Split policy *Duplicate*, Merge policy *Default value*

Code	Description
0	Left
1	Center
2	Right
3	Full

Coded value domain — CONFID — Description *Confidence Value*, Field type *Short integer*, Split policy *Default value*, Merge policy *Default value*

Code	Description
1	1 - DIME
2	2 - Thomas Brothers
3	3 - County Road Book
4	4 - Subdivision maps
5	5 - Assessor maps
6	6 - ETAK
7	7 - City updates
8	8 - Fire response books
9	9 - CAD exception and GEOFILE maintenance corrections
10	10 -Register of Voters precinct maps
11	11 - ZIP+4 revisions
12	12 -County Schools and Transportation corrections
13	13 - USGS topographic maps
14	14 - Subdivision maps with house numbering
15	15 - PIMS address
16	16 - Photogrammetrically derived feature
17	17 - COGOinput subdivisions
18	18 - CALTRANS Functional Line Mapping
90	90 - Street physically field verified
95	95 - Overall address range verified
99	99 - Fully field verified segment by segment

Coded value domain — NSCODE — Description *Valid NS Code values.*, Field type *String*, Split policy *Default value*, Merge policy *Default value*

Code	Description
1	1 - Railroad trunk lines
2	2 - Water features
3	3 - Political or census boundary
4	4 - Rough Road-Roads or dirt roads susceptible to flooding, washing out or detour recommended
5	5 - Paper street
6	6 - Proposed street
7	7 - Multiple ranges for the same street segment
8	8 - Sheriff reporting district boundary
9	9 - Irregular number ranges
A	A - Access roads. Includes fire, airport, utility, and driveways with street names
C	C - Condominium, trailer park, apartment complex and camp conference private Roads.
E	E - Freeway ramps, rest areas, inspection stations, etc.
F	F - Freeways. Dual-line feature with addressing on right side only
L	L - Alley type features (implemented with TB data).
P	P - Register of Voters precinct boundaries
Q	Q - Title boundaries
R	R - Railroad yards and spurs
S	S - Normal street paved, dedicated, non-dedicated, dirt county maintained, non-county maintained
T	T - State Highway segments with regular county addresses
U	U - Airport runways
W	W - Flood control channels
X	X - Ambulance district boundaries
Y	Y - Fire demand zones
Z	Z- Zip code line