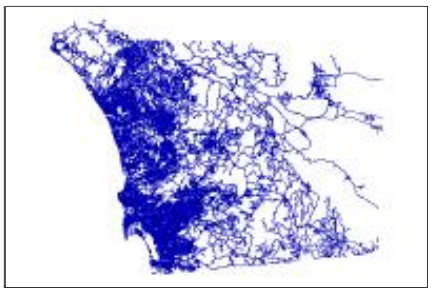
ROADS_ALL



Tags

Roads, San Diego County, Transportation, Freeway, Highway, Collector, Arterial, Streets

Summary:

This dataset comprises centerline segments for roads (both active and inactive, public and private, constructed or of record) in San Diego County based on data received from all official jurisdictions within the County (the County and 18 cities).

Feature Type: Line

Number of Records: 160337

Publication Date: 2019-02-04

Date of Data (Temporal Period Extent): 2019-02-01

Extent: The spatial extent of this dataset is San Diego County. The temporal extent is variable.

Extent in Longitude Latitude

North 33.509492
West -117.597058 **East** -116.080213
South 32.530639

Extent in the item's coordinate system

North 2129010.001133
West 6151037.000000 **East** 6613420.622000
South 1775474.668000

Description:

This dataset comprises road centerlines for all roads in San Diego County. Road centerline information is collected from recorded documents (subdivision and parcel maps) and information provided by local jurisidictions (Cities in San Diego County, County of San Diego). Road names and address ranges are as designated by the official address coordinator for each jurisidcition. Jurisdictional information is created from spatial overlays with other data layers (e.g. Jurisdiction, Census Tract).The layer contains both public and private roads. Not all roads are shown on official, recorded documents. Centerlines may be included for dedicated public roads even if they have not been constructed. Public road names are the official

names as maintained by the addressing authority for the jurisdiction in which the road is located. Official road names may not match the common or local name used to identify the road (e.g. State Route 94 is the official name of certain road segments commonly referred to as Campo Road).Private roads are either named or unnamed. Named private roads are as shown on official recorded documents or as directed by the addressing authority for the jurisdiction in which the road is located. Unnamed private roads are included where requested by the local jurisidiction or by SanGIS JPA members (primarily emergency response dispatch agencies). Roads are comprised of road segments that are individually identified by a unique, and persistent, ID (ROADSEGID). Roads segments are terminated where they intersect with each other, at jurisdictional boundaries (i.e. city limits), certain census tract and law beat boundaries, at locations where road names change, and at other locations as required by SanGIS JPA members. Each road segment terminates at an intersection point that can be found in the ROADS_INTERSECTION layer.Road centerlines do not necessarily follow the centerline of dedicated rights-of-way (ROW). Centerlines are adjusted as needed to fit the actual, constructed roadway. However, many road centerline segments are created intially based on record documents prior to construction and may not have been updated to meet as-built locations. Please notify SanGIS if the actual location differs from that shown. See the SanGIS website for contact information and reporting problems (http://www.sangis.org/contact/problem.html).Note, the road speeds in this layer are based on road segment class and were published as part of an agreement between San Diego Fire-Rescue, the San Diego County Sheriff's Department, and SanGIS. The average speed is based on heavy fire vehicles and may not represent the posted speed limit.

Credits:

SanGIS using information from documents recorded with the County of San Diego and the addressing authorities in the 18 cities in San Diego County.

Use Limitation:

Data is generalized and created for use in regional projects. Please refer to SanGIS GIS data end user use agreement and disclaimer which is available at the following: http://www.sangis.org/Legal_Notice.htm. See Metadata Description item for futher information.

Topics and Keywords

Topic Categories: Planning Cadastral Transportation

Themes:

Roads, Streets, Transportation, Routes, Centerlines, Highways, Freeways, Expressways, Collector

Places:

California, County of San Diego, Carlsbad, Coronado, Chula Vista, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, Lemon Grove, La Mesa, National City, Oceanside, Poway, San Diego, San Marcos, Solana Beach, Santee, Vista

Resource Details:

Status: On Going
Type: Vector
Update Frequency: Weekly
Next Update: 2014-09-05

Spatial Reference System:

Type: Projected
Reference: GCS_North_American_1983
Projection: NAD_1983_StatePlane_California_VI_FIPS_0406_Feet

Identifier: 2230
Codespace: EPSG
Version: 5.3(9.0.0)

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Distribution Ordering Instructions:

Refer to SanGIS website (http://www.sangis.org/services/index.html) to obtain further information on mapping and data extraction services available from SanGIS.

Online Ordering Description:

The roads_all dataset is available for download as shapefile from http://www.sangis.org/download.index.html and roads can also be viewed on the SanGIS interactive webmap (http://sdgis.sandag.org;)

Fields:

Overview:

Road segments are uniquely identified by the road segment identifier

(ROADSEGID). This attribute is persistent over time. There are over 65 attributes for each road segment. These attributes provide information in 5 general categories:

Coordinate Values (12 attributes) - To/From and mid-point X and Y coordinates of segment and a pseudo-elevation value at each end of the segment. Coordinate value attributes are:
F_LEVEL, T_LEVEL, FNODE, TNODE, FRXCOORD, TOXCOORD, FRYCOORD, TOYCOORD, MIDXCOORD, MIDYCOORD, NAD83E, NAD83N

Address Range (8 attributes) - Low and high addresses on left and right sides of segment. Left/Right is defined by the direction of the segment as determined by the address range. Road direction is from low to high address. Address range attributes are:
ABHIADDR, ABLOADDR, LHIGHADDR, RHIGHADDR, LLOWADDR, RLOWADDR, LMIXADDR, RMIXADDR

Road Name (10 attributes) - Official road name component values. Fields are provided for systems that allow a maximum of 20 characters in a road name or 30 characters in the name component. Official road names are abbreviated to 20 or 30 characters if needed (road names only not including pre- and post-direction and suffix/types). Road names are assigned based on the ROADID value. ROADID is referemce to the road name maintained by SanGIS in a road name table. All roads with the same ROADID will have the same road name values. Road name attributes are:
RD20FULL, RD20PRED, RD20NAME, RD20SFX, RD30FULL, RD30PRED, RD30POSTD, RD30NAME, RD30SFX, ROADID

Jurisdiction Overlays (14 attributes) - Values calculated from a spactial overlay of the road segment with various jurisdictional layers maintained by SanGIS. Jurisdiction overlays are provided for left and right sides of the segment. Left/Right is defomed by the direction of the segment as determined by the address range. Road direction is from low to high address. Left/Right overlay values are calculated based on a point that is 7 ft left or right of the segment midpoint. All other overlays are calculated at the midpoint of the segment. Jurisdictional overlay attributes are:
L_BEAT, R_BEAT, L_BLOCK, R_BLOCK, L_PSBLOCK, R_PSBLOCK, L_TRACT, R_TRACT, L_ZIP, R_ZIP, LJURISDIC, RJURISDIC, LPSJUR, RPSJUR

Segment Specfic (21 attributes) - All attributes that are specific to the road segment and not included in the categories above. These values are assigned by SanGIS based on rules specified by SanGIS JPA member agencies.

Citation:

SanGIS. Contact SanGIS for additional information on any attribute. Refer to ROADS_INTERSECTION for road segment termination types.

__FID (OID)
Internal feature number.

ROADSEGID (Integer)
Road segment indentifier. Unique key to road segment. Persistent over time.

L_BEAT (Integer)
Law (police) beat number on left side of road.
Value derived from a spatial overlay of the LAW_BEATS layer at a point 7' left of the segment midpoint.

POSTDATE (Date)
Identifies last date that road segment was changed

LPSJUR (String)
Public safety jurisdiction code on left side of road.
Value derived from a spatial overlay of the JUR_PUBLIC_SAFETY layer at a point 7' left of the segment midpoint.

Code; Description
CB; Carlsbad
CN; Unincorporated
CO; Coronado
CV; Chula Vista
DM; Del Mar
EC; El Cajon
EN; Encinitas
ES; Escondido
IB; Imperial Beach
LG; Lemon Grove
LM; La Mesa
NC; National City
OC; Oceanside
PW; Poway
SD; San Diego
SM; San Marcos
SO; Solana Beach
ST; Santee
VS; Vista

PENDING (String)
Recording status indicator of map creating this road segment
Y=yes, recording pending
N=no, map recorded or not available

R_ZIP (Integer)
Five digit zip code number on right side of road.
Value derived from a spatial overlay of the ZIPCODE layer at a point 7' right of the segment midpoint.

TNODE (Integer)
ID of the intersection point at the TO point (end) of the segment. Refers to the unique intersection point ID attribute (INTERID) in the ROADS_INTERSECTION layer.
Each road segment has an associated intersection point at the start and end points.

RHIGHADDR (Integer)
Highest address value on the right side of the road.
Generally the value at the TO (end) node.

ROADID (Integer)
Road name identifier. Refers to the unique ROADID in the SanGIS road name table. Road name components are assigned to a segment based on a lookup by ROADID in the road name table. All segments with the same ROADID value make up a "road" in the more general sense.

DEDSTAT (String)
Dedication status

Code; Description
A; Abandoned
D; Dedicated
L; Dedicated, but unofficially named Alley
O; Offer for dedication (street reservation)
P; Private street
Q; Undocumented
U; Undedicated

SEGSTAT (String)
Road segment status

Code; Description
A; Approved
C; Constructed
M; Maintained
R; Recorded
T; Tentative

NAD83E (Double)
California State Plane Zone 6, NAD83 Easting (X) coordinate at the FROM (start) node

ONEWAY (String)
One way street code
Code; Description
F; Addresses increases in same direction as traffic flow
T; Addresses increase in opposite direction of traffic flow
B; Two-way streets (default value)

NAD83N (Double)
California State Plane Zone 6, NAD83 Northing (Y) coordinate at the FROM (start) node

SUBDIVID (Integer)
SanGIS subdivision ID (links to SUBDIVISION layer).
Field updated by spatial join with Subdivision layer or added by editor from LOTS layer. Not populated for all segments.

RD20SFX (String)
Road Suffix (aka street type) for 20 character road name abbreviations - always two letters

Code; Description
AL; ALLEY
AR; ARCADE
AV; AVENUE
BL; BOULEVARD
BP; BIKEPATH
BR; BRIDGE
BY; BYPASS
CE; CORTE
CG; CROSSING
CP; CAPE
CR; CIRCLE
CS; CRESCENT
CT; COURT
CV; COVE

CY; CAUSEWAY
DR; DRIVE
DY; DRIVEWAY
EX; EXTENSION
EY; EXPRESSWAY
FR; FERRY
FY; FREEWAY
HY; HIGHWAY
IN; INTERCHANGE
LN; LANE
LP; LOOP
ML; MALL
PA; PATH
PE; POINTE
PL; PLACE
PS; PASS
PT; POINT
PY; PARKWAY
PZ; PLAZA
RA; RAMP
RD; ROAD
RW; ROW
SQ; SQUARE
ST; STREET
TL; TRAIL
TR; TERRACE
TT; TRUCKTRAIL
WK; WALK
WY; WAY

LLOWADDR (Integer)

Lowest address value on the left side of the road.
Generally the value at the FROM (start) node.

F_LEVEL (Integer)

Psuedo elevation value at the FROM (start) node of the segment.
The F_LEVEL (from level) AND T_LEVEL (to level) attributes define relative vertical separation between road segments. Values range from 0 to 9 with 0 defining a road segment below ground level and level 1 are road segments usually at ground level. Values 2 to 9 define a relative vertical separation to the base ground level road segment. Value 2 segments would be above a value 1 segment but lower than a value 3 segments. An example would be the I-805/I-8 interchange across Mission Valley where the F_LEVEL and T_LEVEL values for the road segments through the interchange range from 1 to 4. An individual road segment can have different F_LEVEL and T_LEVEL values indicating a transition between vertical separations.

RD30SFX (String)

Abbreviated street name suffix (aka street type) for 30 character road names. That is, the part of the road name that describes the type of street. Up to four letter abbreviations are used according to the SanGIS standards manual as shown below. Does not necessarily match with US Postal Service suffix designations.

ALY: ALLEY
ARC: ARCADE
AVE: AVENUE
BP: BIKEPATH

BLVD: BOULEVARD
BRG: BRIDGE
BYP: BYPASS
CSWY: CAUSEWAY
CIR: CIRCLE
CTE: CORTE
CT: COURT
CV: COVE
CRES: CRESCENT
XING: CROSSING
DR: DRIVE
DRWY: DRIVEWAY
EXPY: EXPRESSWAY
EXT: EXTENTION
FRY: FERRY
FWY: FREEWAY
GLEN: GLEN
HWY: HIGHWAY
INTR: INTERCHANGE
LN: LANE
LOOP: LOOP
MALL: MALL
PKY: PARKWAY
PASS: PASS
PATH: PATH
PL: PLACE
PLZ: PLAZA
PT: POINT
PTE: POINTE
RAMP: RAMP
RD: ROAD
ROW: ROW
SQ: SQUARE
ST: STREET
TER: TERRACE
TRL: TRAIL
TKTL: TRUCKTRAIL
WALK: WALK
WAY: WAY

RD30PRED (String)

One or two character abbreviation for pre-direction component (direction preceeding the road name) of road names abbreviated to 30 characters.

E; East
N; North
S; South
W; West
NE; Northeast
NW; Northwest
SE; Southeast
SW; Southwest

RD20PRED (String)

One character abbreviation for pre-direction component (direction preceeding road name) of road names abbreviated to 20 characters.

E; East

N; North, Northwest or Northeast
S; South, Southwest or Southeast
W; West

TOXCOORD (Double)
X (Easting) coordinate of the end (TO) point of the segment. California State Plane, Zone 6, NAD83

MIDXCOORD (Double)
X (Easting) coordinate of the mid-point of the segment. California State Plane, Zone 6, NAD83

SPEED (Integer)
Average driving speed based on segment classification (SEGCLASS). This attribute is not intended to be the posted speed limit for the roads segment. SPEED is established by emergency vehicle dispatch agencies generally based on heavy fire vehicles in order to allow the Fire Department to determine realistic response times.

FRYCOORD (Double)
Y (Northing) coordinate of the start (FROM) point of the segment. California State Plane, Zone 6, NAD83

FRXCOORD (Double)
X (Easting) coordinate of the start (FROM) point of the segment. California State Plane, Zone 6, NAD83

L_TRACT (Integer)
US 2010 census tract number on left side of road.
Value derived from a spatial overlay of the CENSUS_TRACT layer at a point 7' left of the segment midpoint.

R_TRACT (Integer)
US 2010 census tract number on right side of road.
Value derived from a spatial overlay of the CENSUS_TRACT layer at a point 7' right of the segment midpoint.

CARTO (String)
Cartographic display indicator. Used to provide more appropriate cartographic representation. Generally the same as SEGCLASS. Not rigorously maintained.

Code; Description
1; Freeway/Expressway
2; Highway/State Routes
3; Minor Highway/Major Roads
4; Arterial or Collector
5; Local Street
6; Unpaved Road
7; Private Road
8; Freeway Transition Ramp
9; Freeway On/Off Ramp
A; Alley
H; Speed Hump
M; Military Street within Base
P; Paper Street
Q; Undocumented
W; Walkway

SEGCLASS (String)

Segment class

Code; Description
1; Freeway/Expressway
2; Highway/State Routes
3; Minor Highway/Major Roads
4; Arterial or Collector
5; Local Street
6; Unpaved Road
7; Private Road
8; Freeway Transition Ramp
9; Freeway On/Off Ramp
A; Alley
H; Speed Hump
M; Military Street within Base
P; Paper Street
Q; Undocumented
W; Walkway
Z; Named Private Street

RD20NAME (String)

Official road name abbreviated to 20 characters according to rules established in the SanGIS policy and procedures manual. Attribute maintained for compatibiltiy by older systems with limited length fields.

T_LEVEL (Integer)

Psuedo elevation value at the TO (end) node of the segment.
The F_LEVEL (from level) AND T_LEVEL (to level) attributes define relative vertical separation between road segments. Values range from 0 to 9 with 0 defining a road segment below ground level and level 1 are road segments usually at ground level. Values 2 to 9 define a relative vertical separation to the base ground level road segment. Value 2 segments would be above a value 1 segment but lower than a value 3 segments. An example would be the I-805/I-8 interchange across Mission Valley where the F_LEVEL and T_LEVEL values for the road segments through the interchange range from 1 to 4. An individual road segment can have different F_LEVEL and T_LEVEL values indicating a transition between vertical separations.

RD30FULL (String)

Road full name including pre-direction, suffix (type), and post-direction indicators. Road name component abbreviated to 30 characters per SanGIS policy and procedure manuals. Full field limited to 41 characters (2 each for pre- and post-direction, 4 for suffix, 30 for name, plus spaces)

Note that there are only a few road segments in the county that have road names longer than 30 characters

RD30POSTD (String)

One or two character abbreviation for post-direction component (direction following the road name or suffix) of road names abbreviated to 30 characters.

E; East
N; North
S; South
W; West
NE; Northeast
NW; Northwest
SE; Southeast
SW; Southwest

RD30NAME (String)
Offical name of road abbreviate to 30 characters. Does not include pre- and post-direction or suffix components.

Note that there are very few road names in the county that exceed 30 characters in length.

R_BEAT (Integer)
Law (police) beat number on right side of road.
Value derived from a spatial overlay of the LAW_BEATS layer at a point 7' right of the segment midpoint.

MIDYCOORD (Double)
Y (Northing) coordinate of the mid-point of the segment. California State Plane, Zone 6, NAD83

ADDSEGDT (Date)
Date road segment was created

FIREDRIV (String)
Fire drivability as established by San Diego Fire-Rescue department. Used for routing. Exclusively for use by San Diego Fire-Rescue

Code: Description
Y; Yes
N; No

R_BLOCK (Integer)
US 2010 census block number on right side of road.
Value derived from a spatial overlay of the CENSUS_BLOCK layer at a point 7' right of the segment midpoint.

L_BLOCK (Integer)
US 2010 census block number on left side of road.
Value derived from a spatial overlay of the CENSUS_BLOCK layer at a point 7' left of the segment midpoint.

RJURISDIC (String)
Jurisdiction code on right side of road.
Value derived from a spatial overlay of the JUR_MUNICIPAL layer at a point 7' right of the segment midpoint.

Code; Description
CB; Carlsbad
CN; Unincorporated
CO; Coronado
CV; Chula Vista
DM; Del Mar
EC; El Cajon
EN; Encinitas
ES; Escondido
IB; Imperial Beach
LG; Lemon Grove
LM; La Mesa
NC; National City
OC; Oceanside
PW; Poway
SD; San Diego

SM; San Marcos
SO; Solana Beach
ST; Santee
VS; Vista

L_ZIP (Integer)
Five digit zip code number on left side of road.
Value derived from a spatial overlay of the ZIPCODE layer at a point 7' left of the segment midpoint.

FNODE (Integer)
ID of the intersection point at the FROM point (start) of the segment. Refers to the unique intersection point ID attribute (INTERID) in the ROADS_INTERSECTION layer.
Each road segment has an associated intersection point at the start and end points.

RIGHTWAY (Integer)
Width of right-of-way

LJURISDIC (String)
Jurisdiction code on right side of road.
Value derived from a spatial overlay of the JUR_MUNICIPAL layer at a point 7' right of the segment midpoint.

Code; Description
CB; Carlsbad
CN; Unincorporated
CO; Coronado
CV; Chula Vista
DM; Del Mar
EC; El Cajon
EN; Encinitas
ES; Escondido
IB; Imperial Beach
LG; Lemon Grove
LM; La Mesa
NC; National City
OC; Oceanside
PW; Poway
SD; San Diego
SM; San Marcos
SO; Solana Beach
ST; Santee
VS; Vista

RPSJUR (String)
Public safety jurisdiction code on right side of road.
Value derived from a spatial overlay of the JUR_PUBLIC_SAFETY layer at a point 7' right of the segment midpoint.

Code; Description
CB; Carlsbad
CN; Unincorporated
CO; Coronado
CV; Chula Vista
DM; Del Mar
EC; El Cajon

EN; Encinitas
ES; Escondido
IB; Imperial Beach
LG; Lemon Grove
LM; La Mesa
NC; National City
OC; Oceanside
PW; Poway
SD; San Diego
SM; San Marcos
SO; Solana Beach
ST; Santee
VS; Vista

Shape (Geometry)
Feature geometry shape (multipoint, polyline, or polygon)

TOYCOORD (Double)
Y (Northing) coordinate of the end (TO) point of the segment. California State Plane, Zone 6, NAD83

OBMH (String)
On base military housing indicator (Y=yes or N=no)

LHIGHADDR (Integer)
Highest address value on the left side of the road.
Generally the value at the TO (end) node.

ABHIADDR (Integer)
Absolute high address of road segment regardless of left or right side.

FUNCLASS (String)
Functional Class

Code; Description
1; Freeway to freeway ramp
2; Light (2-lane) collector street
3; Rural collector road
4; Major road/4-lane major road
5; Rural light collector/local road
6; Prime (primary) arterial
7; Private street
8; Recreational parkway
9; Rural mountain road
A; Alley
B; Class I bicycle path
C; Collector/4-lane collector street
D; Two-lane major street
E; Expressway
F; Freeway
L; Local street/cul-de-sac
M; Military street within base
P; Paper street
Q; Undocumented
R; Freeway/expressway on/off ramp
S; Six-lane major street
T; Transitway
U; Unpaved road

W; Pedestrianway/bikeway

R_PSBLOCK (Integer)
Public Safety Census Block

Value derived from a 7' offset from the midpoint of the road centerline to the SanGIS pseudo Census Blocks layer right of the road centerline.

These are “Pseudo” census blocks created by SanGIS and used exclusively for San Diego Police Department crime statistics. Usually the PSBLOCK will be the same as the census block but in some cases the census block is divided into two or more smaller portions so that no block spans two police beats. The Pseudo blocks are not published in the regular census block layer.

POSTID (String)
SanGIS internal identifier for last person or process to change road segment

RD20FULL (String)
Road full name including pre-direction and suffix (type). Road name component abbreviated to 20 characters per SanGIS policy and procedure manuals. Full field limited to 25 characters (1 for pre-direction, 2 for suffix, 20 for name, plus spaces). Post direction indicator is not included.

Maintained for legacy system compatibility.

L_PSBLOCK (Integer)
Public Safety Census Block

Value derived from a 7' offset from the midpoint of the road centerline to the SanGIS pseudo Census Blocks layer left of the road centerline.

These are “Pseudo” census blocks created by SanGIS and used exclusively for San Diego Police Department crime statistics. Usually the PSBLOCK will be the same as the census block but in some cases the census block is divided into two or more smaller portions so that no block spans two police beats. The Pseudo blocks are not published in the regular census block layer.

RLOWADDR (Integer)
Lowest address value on the right side of the road.
Generally the value at the FROM (start) node.

RMIXADDR (String)
Indicator showing whether odd and even (mixed) address are both shown on the right side of road.
Y=yes - right side addresses are both odd and even numbers
N=no - right side addresses are only odd or only even numbers

ABLOADDR (Integer)
Absolute low address of road segment regardless of left or right side.

LMIXADDR (String)
Indicator showing whether odd and even (mixed) address are both shown on the left side of road.
Y=yes - left side addresses are both odd and even numbers
N=no - left side addresses are only odd or only even numbers

LENGTH (Double)
Road segment length

SHAPE_STLe (Double)

Metadata Last Update: 2019-02-04

Regional GIS Data Warehouse (RGDW) Publication Stylesheet 1.4