Guardrails

Data Set Summary

Data Set Basics	
Title	Guardrails
Abstract	Displays the location and some attributes of guardrails owned and maintained by SDOT.
Description	Guardrails are devices designed to keep pedestrians and motor vehicles from straying off the road into potentially dangerous or off-limit areas of the ROW. To be used in the GIS for mapping, analysis, and tracking purposes.
Supplemental Information	Guardrails are freestanding barriers supported by posts as opposed to jersey barriers which are not.
Update Frequency	Weekly
Keyword(s)	SDOT, Seattle, Transportation, Guardrails, Safety, Streets
Contact Information	
Contact Organization	SDOT Traffic Management, Traffic Operations Group
Contact Person	SDOT GIS Analyst
Contact Email	DOT_IT_GIS@seattle.gov

Attribute Information

Attribute	Data type, length	Description
OBJECTID	ObjectID	ESRI unique identifier
COMPKEY	Long	Primary key of the Guard Rail asset table, assigned by the Hansen asset management system.
UNITID	Text, 20	Alpha-numeric Hansen unique identifier. Begins with GDR.
UNITDESC	Text, 255	Structured description of the Guard Rail location
MODBY	Text, 30	User who last modified record in Hansen
MODDTTM	Date	Date/time record was last updated in Hansen

ArcGIS Metadata Form

Attribute	Data type, length	Description
CONDITION	Text, 10	Guard Rail condition: GOOD = The Guard Rail has not sustained any impacts AND it shows no signs of corrosion. Age: 0-17 years. FAIR = The Guard Rail has cosmetic (i.e., paint transfer) damage, but the structure is not compromised. AND/OR it shows signs of minor corrosion (i.e., minor rust). Age: 17-25 years. POOR = The Guard Rail has sustained an impact such that it needs to be replaced. AND/OR it shows signs of major corrosion such that it needs to be replaced. Age: >25 years.
CONDDT	Date	Date/time Guard Rail condition was last assessed
STATUS	Text, 10	Current Guard Rail service status: Planned Removed INSVC = In Service
PRIMARYDISTRICTCD	Text, 10	The code for the primary council district in which this Guard Rail is located.
SECONDARYDISTRICTCD	Text, 10	The code for the secondary council district in which this Guard Rail is located if applicable.
OVERRIDEYN	Text, 1	Council District override flag
COMPTYPE	Short	Asset type code assigned by the Hansen asset management system. Always = 16 for Guard Rails.
HANSEGKEY	Long	
UNITTYPE	Text, 10	Guard Rail category, enhanced for the City of Seattle.
UNITDESC_SEG	Text, 255	Structured description of the corresponding Guard Raol segment location
INSTDATE	Date	Date/time the Guard Rail was installed
EXPDATE	Date	Date/time the Guard Rail expired/will expire
ADDBY	Text, 30	User who added the record to Hansen
ADDDTTM	Date	Date/time record was added to Hansen
LSTVERIFY	Date	Date/time information was last verified

Attribute	Data type, length	Description
STATUSDT	Date	Date/time Guard Rail status was last updated
MAINTBY	Text, 10	Organization responsible for Guard Rail maintenance
OWN	Text, 10	The organization that owns the Guard Rail: SDOT = Seattle Department of Transportation WSDOT = Washington State Department of Transportation ST = Sound Transit CTY = County COTS = City other than Seattle
OVERRIDECOMMENT	Text, 255	Council District override comment
ARTCLASSCD	Text, 10	Arterial classification of the street at the time of installation of the Guard Rail. 5 = Freeway 4 = State Highway, 3 = Collector Arterial 2 = Minor Arterial 1 = Principal Arterial 0 = Non-Arterial
PROTECTTYPECD	Text, 10	Describes the nature of the rail portion of the Guard Rail. CH = Chain CR = Concrete Rail FL = Flexbeam SR = Steel Rail WR = Wood Rail
OBSTACLECD	Text, 10	Describes the danger against which the Guard Rail protects: BR = Bridge BU = Building DE = Deterrent EM = Embankment/Fall FO = Fixed Object OR = Other Road PL = Parking Lot RR = Railroad SI = Sidewalk UT = Utility WA = Water

Attribute	Data type, length	Description
		NO = None
POSTTYPECD	Text, 10	Describes the nature of the post portion of the Guard Rail: CO = Concrete LO = Logs SP = Steel Post WP = Wood Post
STREETSHAPECD	Text, 10	A general description attribute that furnishes greater granularity regarding the configuration of the Location Street. On= on which the rail is installed AL = Alley CU = Curve HI = Hill IN = Intersection RA = Ramp RE = Road End ST = Straight
ENDTREATMENTTYPE	Text, 150	A brief descriptive field that describes type(s) of end treatments on the Guard Rail.
NBRENDTREATMENTS	Double	The total number of end treatments on this Guard Rail.
POSTINTERVAL	Text, 150	Distance between posts in feet and inches
SPDLIMIT	Double	The posted speed limit of the Location Street-On, on which the Guard Rail resides, at the time of installation.
GDRLENGTH	Double	Guard Rail length in feet
SHAPE_LENGTH	Double	ESRI field that stores information about the length of a feature in GIS