NATIONAL BICYCLE NETWORK GIS FEATURES TEMPLATE

The bicycle network GIS features are polylines with predefined attributes. It is encouraged to use PolylineM as the geometry type and have milepost embedded in each polyline vertex as measurements, and include attributes defined in Table 1 as more as possible. The file format can be either ESRI File Geodatabase or SHAPE.

Table 1. Bicycle Facility GIS Feature Attributes

Item	Field Name	Type	Field Description
1	STATE	string	State abbreviation that bicycles facility resides in. If the facility crosses more than one state, then the value will be the state where the longest portion of the facility in contained within
2	BRID	string	Bicycle Route Identifier used as an identifier for a bicycle facility feature or features
3	NAME	string	Name of the bicycle facility
4	CITYNAME	string	Name of the city where the bicycle facility resides
5	BKFACTP	string	The type of bike facility (see Table 1-A for definition of classifications)
6	MATERIAL	string	Predominant surface material of the facility (defined in Table 1-B)
7	USBRID	string	Designated USBR ID (e.g., 1) on the U.S. Bicycle Route System (USBRS) if applicable
8	STREET	string	Name of the street that bicycle facility resides on if applicable
9	WIDTH	double	Width of the bicycle facility to the nearest 0.5 feet
10	BUFWIDTH	double	Distance between the roadway travel lanes to the nearest 0.5 feet
11	BKSEPTP	string	The predominant type of feature present in the space between the roadway lanes and the bicycle facility (defined in Table 1-C)
12	BKSHLDRTP	string	Description of the graded area next to the roadway upon which bicyclists may ride (defined in Table 1-D)
13	OWNER	string	The organization who owns and is responsible for maintaining the bicycle facility
14	INSTALLYR	integer	The year (YYYY) that the bicycle facility construction was completed
15	LENGTHMI	double	The length of the entire route segment in miles
16	ROUTEID	string	The HPMS identifier of the route if this facility is on an HPMS route. If facility is not on an HPMS route, this field is left empty.
17	FROMMEAS	double	The FROM measure in miles of the HPMS route is applicable.
18	TOMEAS	double	The TO measure in miles of the HPMS route if applicable
19	AADBT	int	Annual average daily bike traffic
20	AADPT	int	Annual average daily pedestrian traffic
21	STATUS	string	Current status of the facility (Open, Closed for weather, Closed for construction)
22	PROPOSED	String	Whether or not the facility is proposed (Yes for proposed, No for exsiting)
23	DATASOURCE	string	Where the data is obtained
24	SOURCEURL	string	Reference URL

25	UPDATEDATE	string	The date (mm-dd-YYYY) on which the data was most recently updated; use 00 if date and/or month is not available and use 0000 if year is not available
26	COMMENT	string	Additional comments or descriptions. For example, additional comments can be added here for a facility with BKFACTP = OTHER.

Table 1-A Definition of Bicycle Facility Types (Item 6 - BKFACTP)

Code	Definition	Description
1	Bike Lane	This code identifies the presence of a bicycle lane on a roadway facility.
2	Buffered Bike Lane	This code identifies the presence of a buffered bicycle lane on a roadway facility.
3	Separated Bike Lane	This code identifies the presence of a separated bike lane on a roadway facility.
4	Counter-Flow Bike Lane	This code identifies the presence of counter flow bike lane on a roadway facility.
5	Paved Shoulder	This code identifies the presence of a paved shoulder on a roadway facility.
6	Shared Lane	This code identifies the presence of a shared lane (with or without markings) on a roadway facility.
7	Shared Use Path	This code identifies the presence of a shared use path that is either immediately adjacent and parallel to a roadway or on an independent alignment.
8	Off-Road Unpaved Trail	This code identifies the bike facility as an off-road, unpaved trail.
Z	Other facility type that does not meet any of the criteria	Any bicycle facility that does not meet any of the criteria. May add additional comments to COMMENT field in Table 1.

Table 1-B Definition of Bicycle Surface Material Types

Code	Enumeration	Description
1	Asphalt	This item identifies the presence of asphalt as the predominant surface type for the bicycle facility.
2	Concrete	This item identifies the presence of concrete as the predominant surface type for the bicycle facility.
3	Brick/Pavers	This item identifies the presence of brick/pavers as the predominant surface type for the bicycle facility.
4	Boardwalk	This item identifies the presence of boardwalk as the predominant surface type for the bicycle facility.
5	Dirt/Gravel	This item identifies the presence of dirt/gravel as the predominant surface type for the bicycle facility.
Z	Other	This item identifies the presence of a different type of bicycle facility surface. May add additional comments to COMMENT field in Table 1.

Table 1-C Definition of Bicycle Separation Types

Code	Definition	Description
1	Traffic Separator	This item identifies the presence of a traffic separator between the bicycle facilities and the roadway.
2	Flexible Delineators	This item identifies the presence of flexible delineators between the bicycle facilities and the roadway.
3	Curb	This item identifies the presence of a curb between the bicycle facilities and the roadway.
4	Parking	This item identifies the presence of a parking facility between the bicycle facilities and the roadway.
5	Parking and Flexible Delineators	This item identifies the presence of a parking facility and flexible delineators between the bicycle facilities and the roadway.
6	Parking and Curb	This item identifies the presence of a parking facility and curb between the bicycle facilities and the roadway.
7	Parking and Traffic Separator	This item identifies the presence of a traffic separator with parking between the bicycle facilities and the roadway.
Z	Other	This item identifies the presence of a unique separator between the bicycle facilities and the roadway. May add additional comments to COMMENT field in Table 1.

Table 1-D Definition of Bicycle Shoulder Types

Code	Definition	Description
1	None	This item identifies lack of any shoulder on the roadway.
2	Paved	This item identifies a paved shoulder on the roadway.
3	Paved w/ transverse markings	This item identifies a paved shoulder with transverse markings on the roadway.
4	Paved w/ partial transverse markings	This item identifies a paved shoulder with partial transverse markings on the roadway.
5	Paved w/ rumble strips	This item identifies a paved shoulder with rumble strips on the roadway.
6	Valley gutter	This item identifies a valley gutter as the shoulder type for this roadway.
7	Curb and gutter	This item identifies a curb and gutter as the shoulder type for this roadway.
8	Curb with resurfaced gutter	This item identifies a curb and resurfaced gutter as the shoulder type for this roadway.
9	On-street parking, non-bikeable	This item identifies that there is on-street parking with a non-bikeable shoulder.
A	On-street parking, bikeable	This item identifies that there is on-street parking with a bikeable shoulder.
Z	Other	This item identifies a different type of shoulder for this roadway. May add additional comments to COMMENT field in Table 1.