City of Albuquerque
Department of Technology and Innovation
Data Management

Data.cabq.gov Core Metadata Requirements

Contact Information

Name	James Arrowsmith
Department/Division	DMD
Phone	
Email	jarrowsmith@cabq.gov

What Does this Dataset Describe?

Dataset Title	Bike Paths
Short Description	Bike paths, lanes, and routes for Albuquerque
Full Non-Technical Description	
Bike paths, lanes, and routes for Albuquerque. **Projection:** New Mexico State Plane Central, Feet, NAD 83	

How Should this Dataset be Cited?

http://data.cabq.gov/community/bikepaths/BikePaths.kmz

http://data.cabq.gov/community/bikepaths/BikePathJSON_ALL

Does the Dataset Reflect a Particular Time Period?

Start Date	Current
End Date	Current
Dataset Refresh Interval	BikePaths.kmz - As needed. Posted to web twice a month BikePathJSON_ALL – As needed.
Dataset Expiration Date	N/A

Dataset Review Date	N/A
Comments	

Dataset Definition/Format

KMZ Format

The file name is: BikePaths.kmz where xxx is the description of the data in the file.

Please refer to https://developers.google.com/kml/documentation/kmlreference for information on the KML file format. The KMZ file described here contains one or more KML files zipped together.

The specific data elements described above are unique to the xxx.KML file and are found in the KML element <description> <![CDATA[<html>. The data is embedded in an html table using standard HTML code for Table, Table Row, Table Header and Table data.

The specific data elements described below are unique to the BikePaths.kmz file and are found in the KML element <description> <![CDATA[<html>. The data is embedded in an html table using standard HTML code for Table, Table Row, Table Header and Table data.

Field Name	**Format**	**Description**
Field Name	Text	Table Header
Field Value	Text	Table Header
Path Type	Text	Identifies the type of path. Ie. WideRoad, BikeLane, MultiUseTrail – Table Data
Path Name	Text	Name of the path – Table Data
Path Segment Length	Text	The length of the path – Table Data

REST Format

Please refer to REST API for information on how to use the REST API.

The BikePathsREST file takes you to the ArcGIS REST Services Directory for the BikePath layer. Here you find the REST Metadata for the BikePath layer. You can click on the JSON link at the top of the page to see the same info in JSON format.

There are three supported options at the bottom of the page. Query Generate Renderer Return Updates. You can click on each of the links to navigate to corresponding page in the ArcGIS REST Services Directory for the BikePath layer.

You can also generate data via the Query page. If you use the REST Query page, then please note that:

- You can generate JSON, KMZ, and HTML output from this page (Format selection)
- To return all records use "1=1" for the "Where" field.
- To return all fields use "*" for "Out Fields". For selected fields enter the name of the fields separated by commas.

ArcGIS JSON Format

Please refer to http://www.json.org/ for general information on the JSON file format.

The specific attributes described above are unique to the **BikePathJSON_ALL** file. For Example:

* **BikePathJSON_ALL** returns all of the data for all of the bike paths in the bike path layer.

Field Name	**Format**	**Description**
`OBJECTID`	*esriFieldTypeOID, alias: OBJECTID*	
`PathType`	*esriFieldTypeGeometry, alias: Shape*	
`ParentPathName`	*esriFieldTypeString, Path Type, length: 50*	*[BikeBlvd: BikeBlvd - A shared roadway optimized by bicycle traffic.] , [BikeRoute: BikeRoute - Cars and bicycles share the street.] , [WideRoad: WideRoad - Roads with wide shoulders.] , ...12 more...)*
`Status`	*esriFieldTypeString, alias: Path Name, length: 50*	
`Shape_Length`	*esriFieldTypeString , alias: Status , length: 20*	
`Comments`	*esriFieldTypeString , alias: Comments , length: 255*	
`AssetID`	*esriFieldTypeInteger , alias: AssetID*	
`IntersectionID`	*esriFieldTypeInteger , alias: IntersectionID*	

ServiceID	*esriFieldTypeInteger , alias: ServiceID*	
PoleID	*sriFieldTypeInteger , alias: PoleID*	
FederalProjNo	*esriFieldTypeString , alias: FederalProjNo , length: 50*	
StateProjNo	*esriFieldTypeString , alias: StateProjNo , length: 50*	
CityProjNo	*esriFieldTypeString , alias: CityProjNo , length: 50*	
BerncoProjNo	*esriFieldTypeString , alias: BerncoProjNo , length: 50*	
InfrastructureOwner	*esriFieldTypeString , alias: InfrastructureOwner , length: 50*	*CABQ_OS: CABQ Open Space] , [CABQ_SM: CABQ Street Maintenance] , [AMAFCA: AMAFCA] , ...17 more...*
DataCollectionMethod	*esriFieldTypeString , alias: DataCollectionMethod , length: 255*	
PhotoLink	*esriFieldTypeString , alias: PhotoLink , length: 255*	
SpecSheetLink	*esriFieldTypeString , alias: SpecSheetLink , length: 255*	
ConstructionDrawingLink	*esriFieldTypeString , alias: ConstructionDrawingLink , length: 255*	
ProjectFileLink	*esriFieldTypeString , alias: ProjectFileLink , length: 255*	
Priority	*esriFieldTypeString , alias: Priority , length: 50*	
Source_	*esriFieldTypeString , alias: Source_ , length: 255*	
DateCreated	*esriFieldTypeDate , alias: DateCreated , length: 8*	
UserCreated	*esriFieldTypeString , alias: UserCreated , length: 50*	

DateLastEdited	*esriFieldTypeDate , alias: DateLastEdited , length: 8*	
UserLastEdited	*esriFieldTypeString , alias: UserLastEdited , length: 50*	
FiftyMileLoop	*esriFieldTypeString , alias: FiftyMileLoop , length: 3*	*[Y: Yes] , [N: No] , [O: Other - See Comments]*
Direction	*esriFieldTypeString , alias: Direction , length: 50*	*[N: N] , [S: S] , [E: E] , ...4 more...)*
OneWayRoad	*esriFieldTypeString , alias: OneWayRoad , length: 3*	*[Y: Yes] , [N: No] , [O: Other - See Comments]*
LongDistanceFacility	*esriFieldTypeString , alias: LongDistanceFacility , length: 3*	*[Y: Yes] , [N: No] , [O: Other - See Comments]*
PostedSpeedLimit_MPH	*esriFieldTypeSmallInteger , alias: PostedSpeedLimit_MPH*	
Path_Width_ft	*esriFieldTypeDouble , alias: Path_Width_ft*	

Dataset Technical Description

Spatial Reference

Projected and geographic coordinate systems are defined by a well-known ID (also known as a WKID - see https://developers.arcgis.com/javascript/jsapi/spatialreference-amd.html for more info). The City of Albuquerque data is usually available by default in one of 3 different WKID's, depending on how the data is accessed and the file format:

- ESRI proprietary shapefiles are available in NAD_1983_HARN_StatePlane_New_Mexico_Central_FIPS_3002_Feet by default. The ESRI wkid is 2903
- KMZ use GCS_WGS_1984 WGS84 EPSG:4326 (see http://en.wikipedia.org/wiki/Keyhole_Markup_Language)
- Our ESRI REST Endpoints use ESRI Web Mercator ESRI:102100/EPSG:3857

JSON layout

Changing Projection through the REST Endpoint

Please note that the default projection for data accessed through the REST endpoint is Web Mercator. This is to assist integration with services such as Google and Bing. Developers can change projection by modifying the outSR parameter in the URL like this:

http://coagisweb.cabq.gov/arcgis/rest/services/public/fullviewer/MapServer/19/query?where=1%3D1&text=&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision=&outSR=4326returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&returnDistinctValues=false&f=pjson

Original URL.

http://coagisweb.cabq.gov/arcgis/rest/services/public/fullviewer/MapServer/19/query?where=1%3D1&text=&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision=&outSR=&returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&returnDistinctValues=false&f=pjson

The value of &outSR is the Well Known ID (wkid) of the projection required. One popular wkid for latitude and longitude is WGS_1984 – this has a wkid of 4326. For more information on the ArcGIS API for Java Script see:
https://developers.arcgis.com/en/javascript/jsapi/spatialreference.html

A full list of supported projections, coordinates and wkid's can be found at
http://resources.arcgis.com/en/help/arcgis-rest-api/index.html#/Geographic_coordinate_systems/02r300000105000000/

BikePathJSON_ALL:

This returns the result of the query directly from the REST service.

Please refer to http://www.json.org/ for information on the JSON file format.

BikePathsREST:

This file navigates you to the ArcGIS REST Services Directory for the BikePath layer.

Please refer to REST API for information on how to use the REST API.

KMZ Layout

BikePaths.kmz**:**

This file contains the KMZ data that is loaded periodically from ArcGIS. This file can be opened directly by Google Earth. Please refer to https://developers.google.com/kml/documentation/kmlreference and http://en.wikipedia.org/wiki/Keyhole_Markup_Language for information on how to use the KMZ File.

Dataset Assumptions

Dataset is updated as needed and the KMZ file is posted to the web twice a month.

Who Produced the Dataset?

GIS Web Team
Department of Technology and Innovation
Email: gis@cabq.gov

Who Owns the Data?

City of Albuquerque, Department of Municipal Development

Why was the Dataset Created?

The dataset was created to provide a map of bike routes on the City website.

How was the Dataset Created?

The kmz file was created by converting from the GIS layer "BikeAndWalkways". BikeAndWalkways was created by the Department of Municipal development by copying street segments and tracing bike paths from aerial photos.

What Similar or Related Data Should the User be Aware of?

Please see the metadata file in each of the dataset folders for information on how to use the information.

Neighborhoods
http://data.cabq.gov/community/neighborhoods/NeighborhoodAssociations.kmz

Open Space
http://data.cabq.gov/community/openspace/CityOpenSpace.kmz
http://data.cabq.gov/community/openspace/OpenSpaceFoothillsTrails.kmz

Parks
http://data.cabq.gov/community/parksandrec/parks/CityParks.kmz

ParksJSON_WestBluff

http://coagisweb.cabq.gov/arcgis/rest/services/public/recreation/MapServer/0/query?where=&text=WEST+BLUFF&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision=&outSR=&returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&f=pjson

ParksJSON_ALL

http://coagisweb.cabq.gov/arcgis/rest/services/public/recreation/MapServer/0/query?where=1%3D1&text=&objectIds=&time=&geometry=&geometryType=esriGeometryEnvelope&inSR=&spatialRel=esriSpatialRelIntersects&relationParam=&outFields=*&returnGeometry=true&maxAllowableOffset=&geometryPrecision=&outSR=&returnIdsOnly=false&returnCountOnly=false&orderByFields=&groupByFieldsForStatistics=&outStatistics=&returnZ=false&returnM=false&gdbVersion=&f=pjson

Police Beats
http://data.cabq.gov/publicsafety/policebeats/APD_BCSO_Beats.kmz

Transit Scheduled Route
http://data.cabq.gov/transit/realtime/route/allroutes.kml

http://data.cabq.gov/transit/realtime/route/routeX.kml
Where X is the route number between 1 and 9.

http://data.cabq.gov/transit/realtime/route/routeXX.kml
Where XX is the route number between 10 and 99

http://data.cabq.gov/transit/realtime/route/routeXXX.kml
Where XXX is the route number between 100 and 999.

http://data.cabq.gov/transit/realtime/route/routeXXXX.kml
Where XXXX is the route number between 1000 and 9999.

Bus Location and Direction
http://data.cabq.gov/transit/realtime/
Where you have folders for: image, route, trace.

Building Permits
http://data.cabq.gov/business/buildingpermits/BuildingPermit.kmz

FEMA Exemptions Certificates
http://data.cabq.gov/FEMA/FEMA_exemptions_CABQ.kmz

How Reliable are the Data?

Good; not updated frequently

How Well Have the Observations Been Checked?

Verified by the providing department

Are there Legal Restrictions on the Access or Use of the Data?

None

Legal Disclaimer

The City's standard copyright, disclaimers and legal statements may be found at http://www.cabq.gov/about/legal. The City data policy governing data.cabq.gov may be found at http://data.cabq.gov/policy/.