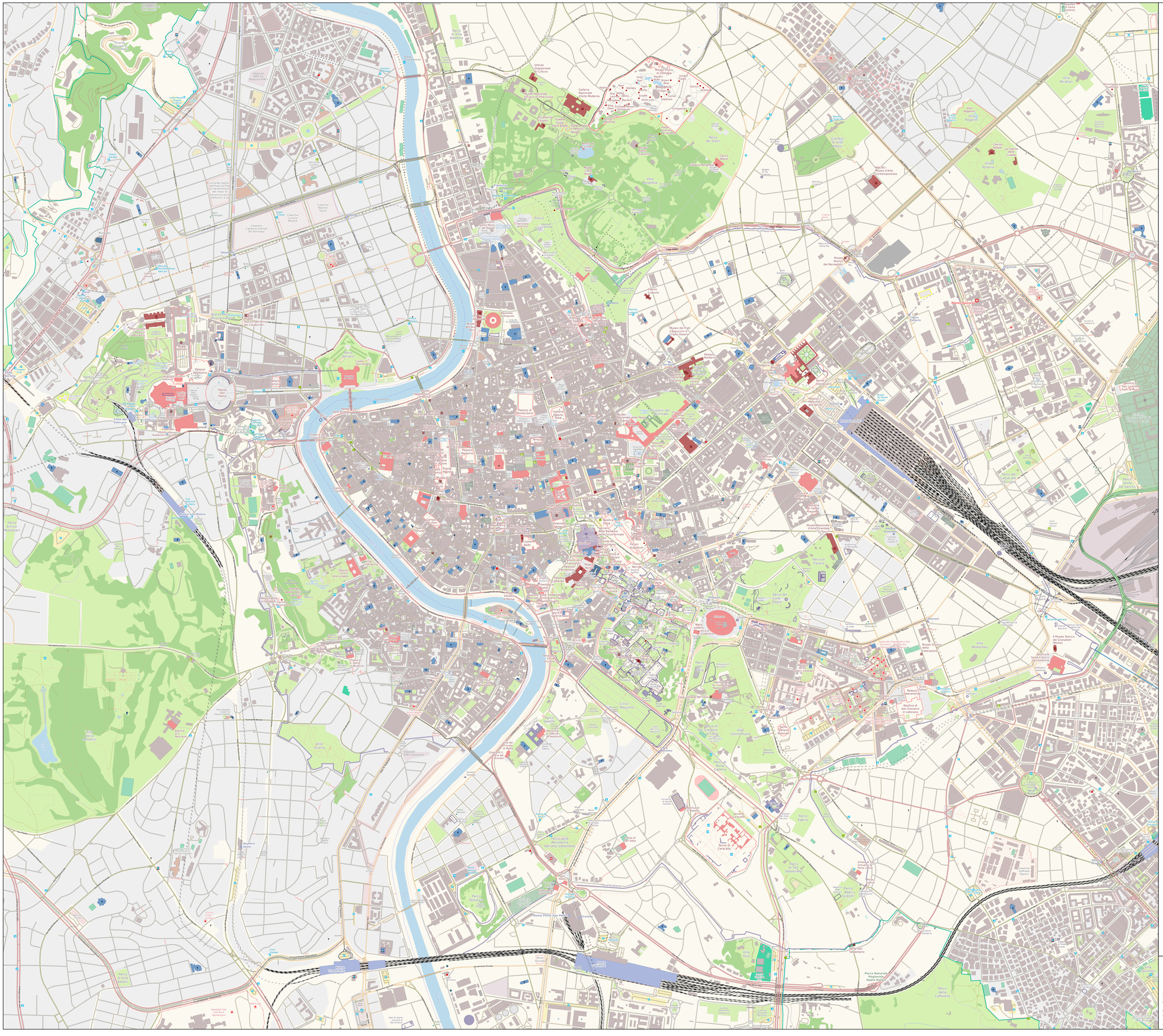

"Roma"

OpenStreetMap Renderer for ArcGIS

Railway (Lines) - Tunnel
- <all other values>
- rail
- light_rail
- subway
- tram
- monorail
- funicular
- narrow_gauge
- preserved
- miniature
- abandoned
- disused
- proposed
- construction
- platform

Tourism (Points) - Viewpoint
- viewpoint, other
- viewpoint, -
- viewpoint, tower

Tourism (Points) - Information Office
- office

Tourism (Points) - Information Guidepost
- guidepost

Tourism (Points) - Information Map
- map

Tourism (Points) - Information Board
- board, <null>
- board, district
- board, geology
- board, history
- board, nature
- board, plants
- board, wildlife

Tourism (Points)
- wilderness_hut
- alpine_hut
- attraction
- camp_site
- caravan_site
- motel
- museum
- picnic_site
- theme_park
- zoo

Tourism (Points) - Zoo Enclosure
- zoo enclosure

Historic (Points)
- archaeological_site
- battlefield
- boundary_stone
- castle
- fort
- manor
- memorial
- milestone
- monument
- palace
- ruins

Place of worship (Points)
- buddhist
- christian
- hindu
- jewish
- muslim
- shinto
- sikh
- taoist

Leisure (Points)
- bird_hide
- dog_park
- fishing
- ice_rink
- miniature_golf
- swimming_pool
- wildlife_hide

Aerialway (Points)
- station

Natural (Points)
- bay
- beach
- cape
- cave_entrance
- geyser
- peak
- reef
- spring
- volcano

Power (Points) - Wind turbine
- wind turbine

Power (Points) - Cable_distribution_cabinet
- cable_distribution_cabinet

Power (Points) - Compensator
- compensator

Power (Points) - Converter
- converter

Power (Points) - Transformer
- transformer

Power (Points) - Switch
- switch

Power (Points) - Pole_Tower
- pole
- tower

Aerroway (Points)
- gate (number)
- helipad

Man made (Points) - Telescope
- radio_telescope
- telescope

Man made (Points) - Communications Tower
- communications_tower

Man made (Points) - Tower
- mast_communication
- mast_lighting
- tower, communication
- tower, defensive
- tower, lighting
- tower, observation

Man made (Points)
- beacon
- crane
- lighthouse
- mineshaft
- water_tower
- water_well
- watermill
- windmill

Railway (Points)
- buffer_stop
- halt
- level_crossing
- subway_entrance
- station
- tram_stop
- turntable

Amenity (Points) - Shelter Public Transport
- shelter_public_transport

Amenity (Points) - Shelter
- shelter, <Null>
- shelter, basic_hut
- shelter, lean_to
- shelter, picnic_shelter
- shelter, rock_shelter
- shelter, weather_shelter

Amenity (Points) - Hospital
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Amenity (Points) - Public Parking
- public parking

Amenity (Points) - Destination Parking
- customers or destination parking

Amenity (Points)
- bus_station
- cinema
- ferry_terminal
- fire_station
- fountain
- fuel
- hunting_stand
- library
- police
- post_office
- theatre
- toilets
- townhall

Power (Lines) - Line
- line
- minor_line

Power (Lines) - Busbar_Bay
- bay
- busbar

Power (Lines) - Cable
- cable

Aerialway (Lines)
- cable_car
- gondola
- chair_lift
- mixed_lift
- t-bar
- j-bar
- platter
- rope_tow
- magic_carpet
- goods

Route (Lines) - Piste
- downhill, novice
- downhill, easy
- downhill, intermediate
- downhill, advanced
- downhill, expert
- downhill, freeride
- downhill, <Null>
- nordic, novice
- nordic, easy
- nordic, intermediate
- nordic, advanced
- nordic, expert
- nordic, unknown
- skitour, unknown
- sled, unknown
- sleigh, unknown

Historic (Lines) - Aqueduct
- aqueduct bridge
- aqueduct

Man made (Lines) - Pipeline Overground
- pipeline

Man made (Lines) - Pipeline Bridge
- pipeline bridge

Aerroway (Lines)
- runway
- taxiway

Natural (Lines)
- arete
- cliff
- ridge
- strait

Natural (Lines) - Tree_row
- tree_row

Barrier (Lines)
- city_wall

Barrier (Lines) - Hedge
- hedge

Boundary (Polygons)
- national_park
- protected_area

Man made (Polygons) - Boundary
- wastewater_plant
- water_works

Tourism (Polygons) - Zoo Enclosure
- zoo enclosure

Tourism (Polygons) - Boundary
- attraction
- camp_site
- caravan_site
- museum
- picnic_site
- theme_park
- viewpoint
- zoo

Historic (Polygons) - Boundary
- Historic (Polygons) - Boundary

Land use (Polygons) - Observatory
- observatory

Land use (Polygons) - Boundary
- brownfield
- greenfield
- military

Waterway (Polygons) - Boundary
- wadi
- boatyard

Barrier (Polygons) - Hedge Boundary
- hedge

Leisure (Polygons) - Boundary
- fishing
- marina
- miniature_golf
- nature_reserve
- water_park

Amenity (Polygons) - Hospital Boundary
- clinic or hospital

Amenity (Polygons) - Boundary
- college
- police
- prison
- school
- university

Tourism (Polygons) - Building
- alpine_hut
- attraction
- gallery
- information
- motel
- museum
- viewpoint
- wilderness_hut

Historic (Polygons) - Building
- <all other values>
- aqueduct
- castle
- city_gate
- citywalls
- fort
- manor
- memorial
- monument
- palace
- ruins

Amenity (Polygons) - Hospital Building
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Building (Polygons) - Hospital
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Amenity (Polygons) - Building
- cinema
- ferry_terminal
- fire_station
- library
- police
- post_office
- prison
- theatre
- toilets
- townhall

Place of worship (Polygons) - Building
- generic place of worship
- Cathedral
- chapel
- church
- convent
- monastery
- mosque
- synagogue
- temple

Aerroway (Polygons) - Facility
- hangar
- helipad
- terminal

Aerialway (Polygons) - Building
- aerialway station building

Railway (Polygons)
- station
- platform
- turntable

Leisure (Polygons) - Building
- bird_hide
- ice_rink building or covered
- sports_centre
- stadium
- swimming_pool building or covered
- track building or covered
- wildlife_hide

Military (Polygons) - Building
- barracks
- bunker

Building (Polygons) - Bunker
- bunker

Amenity (Polygons) - Parking Building Public
- public parking

Amenity (Polygons) - Parking Building Destination
- customers or destination parking

Building (Polygons)
- generic building
- barn
- castle (avoid, use historic=castle)
- city_hall
- construction
- factory
- garage
- garages
- glasshouse
- greenhouse
- hangar
- houseboat
- hut
- industrial
- office
- palace (avoid, use historic=castle)
- retail
- school
- shed
- static_caravan
- train_station
- transportation
- university
- warehouse

Power (Polygons) - Solar Photovoltaic Panel
- solar_photovoltaic_panel

Power (Polygons) - Solar Thermal Collector
- solar_thermal_collector

Power (Polygons) - Heliostat
- heliostat

Power (Polygons) - Compensator
- compensator

Power (Polygons) - Converter
- converter

Power (Polygons) - Substation
- substation
- sub_station (avoid, use power=substation)

Power (Polygons) - Generator
- generator

Power (Polygons) - Plant
- plant

Man made (Polygons) - Telescope
- telescope
- radio_telescope

Man made (Polygons) - Communications Tower
- communications_tower

Man made (Polygons) - Tower
- communication
- cooling
- defensive
- observation

Railway (Lines) - Layer 0
- <all other values>
- rail
- light_rail
- subway
- tram
- monorail
- funicular
- narrow_gauge
- preserved
- miniature
- abandoned
- disused
- crane
- construction
- proposed
- platform

Railway (Lines) - Layer 0 - Siding, spur, yard
- <all other values>
- rail: yard
- rail: siding
- rail: spur
- light_rail: yard
- light_rail: siding
- light_rail: spur
- subway: yard
- subway: siding
- subway: spur
- tram: yard
- tram: siding
- tram: spur
- monorail: yard
- monorail: siding
- monorail: spur
- funicular: yard
- funicular: siding
- funicular: spur
- preserved: yard
- preserved: siding
- preserved: spur
- miniature: yard
- miniature: spur
- miniature: siding
- narrow_gauge: yard
- narrow_gauge: siding
- narrow_gauge: spur
- abandoned: yard
- abandoned: siding
- abandoned: spur
- disused: yard
- disused: siding
- disused: spur
- construction: yard
- construction: siding
- construction: spur
- proposed: yard
- proposed: siding
- proposed: spur
- platform: yard
- platform: siding
- platform: spur

Highway (Line) - Layer 0
- <all other values>
- motorway
- motorway_link
- trunk
- trunk_link
- primary
- primary_link
- secondary
- secondary_link
- tertiary
- tertiary_link
- unclassified
- road
- residential
- living_street
- raceway
- service
- track
- path
- pedestrian
- footway
- steps
- cycleway
- bridleway
- bus_guideway
- platform
- ford
- proposed
- construction

Highway (Line) - Layer 0 - Bridge
- <all other values>
- motorway bridge
- motorway_link bridge
- trunk bridge
- trunk_link bridge
- primary bridge
- primary_link bridge
- secondary bridge
- secondary_link bridge
- tertiary bridge
- tertiary_link bridge
- unclassified bridge
- road bridge
- residential bridge
- living_street bridge
- raceway bridge
- service bridge
- track bridge
- path bridge
- pedestrian bridge
- footway bridge
- steps bridge
- cycleway bridge
- bridleway bridge
- bus_guideway bridge
- platform bridge
- ford bridge
- proposed bridge
- construction bridge

Man made (Polygons)
- breakwater
- bridge
- chimney
- crane
- gasometer
- groyne
- lighthouse
- mineshaft
- monitoring_station
- pier
- pumping_station
- reinforced_slope
- reservoir
- reservoir_covered
- silo
- storage_tank
- storm_surge_barrier
- water_tower
- water_well
- watermill
- windmill
- works

Man made (Lines)
- pier
- groyne
- breakwater

Man made (Lines) - Dyke_Levee
- dyke
- levee

Aerroway (Polygons) - Apron
- apron

Building (Polygons) - Underground
- Building (Polygons) - Underground

Barrier (Polygons)
- city_wall
- hedge
- retaining_wall

Route (Lines) - Ferry
- ferry

Highway (Lines) - Tunnel
- <all other values>
- motorway tunnel
- motorway_link tunnel
- trunk tunnel
- trunk_link tunnel
- primary tunnel
- primary_link tunnel
- secondary tunnel
- secondary_link tunnel
- tertiary tunnel
- tertiary_link tunnel
- unclassified tunnel
- road tunnel
- residential tunnel
- living_street tunnel
- raceway tunnel
- service tunnel
- track tunnel
- path tunnel
- pedestrian tunnel
- footway tunnel
- steps tunnel
- cycleway tunnel
- bridleway tunnel
- bus_guideway tunnel
- platform tunnel
- ford tunnel
- proposed tunnel
- construction tunnel

Waterway (Lines) - Dam_Weir
- dam
- weir

Waterway (Polygons)
- <all other values>
- canal
- dam
- ditch
- dock
- drain
- lake
- lock
- riverbank
- stream

Natural (Polygons) - Water
- bay
- reef
- spring
- water
- waterfall

Land use (Polygons) - Water
- basin
- reservoir
- salt_pond

Waterway (Lines)
- canal
- ditch
- drain
- river
- stream
- wadi

Woodland (Polygons)
- Other woodland type
- Unknown
- Coniferous
- Deciduous
- Mixed

Leisure (Polygons) - Feature
- bird_hide
- dog_park
- ice_rink
- pitch
- playground
- sports_centre
- stadium
- swimming_pool
- track
- wildlife_hide

Highway (Polygons)
- pedestrian
- rest_area
- services

Geological (Polygons)
- moraine

Natural (Polygons)
- <all other values>
- bare_rock
- beach
- cape
- fell
- glacier
- grassland
- heath
- land
- moor
- mud
- rock
- sand
- scree
- scrub
- tundra
- wetland

Amenity (Polygons) - Parking Area Public
- public parking

Amenity (Polygons) - Parking Area Destination
- customers or destination parking

Amenity (Polygons) - Area
- bus_station
- green_yard
- marketplace

Leisure (Polygons) - Area
- <all other values>
- common
- garden
- park
- golf_course
- miniature_golf

Land use (Polygons)
- <all other values>
- allotments
- cemetery
- commercial
- construction
- farm
- farmyard
- forest
- garages
- grass
- greenhouse_horticulture
- industrial
- landfill
- meadow
- orchard
- quarry
- railway
- recreation_ground
- residential
- retail
- village_green
- vineyard

Aerroway (Polygons) - Aerodrome
- aerodrome

Place (Polygons) - Island
- island

Waterway (Polygons) - Backdrop
- <all other values>
- canal
- dam
- ditch
- dock
- drain
- lake
- lock
- riverbank
- stream

"Roma"

as rendered by the OSM Renderer for ArcGIS
Application development by MSc Marco Boeringa
Note: Contours may contain artefacts due to uncorrected source

Kilometers
0 0,125 0,25 0,5

Projection: ArcGIS: WGS 1984 Web Mercator (auxiliary sphere)

1:10.000

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Cartography and application development of the OSM Renderer for ArcGIS by MSc Marco Boeringa (marco@boeringa.demon.nl). The OSM Renderer is a combined ModelBuilder / Python toolbox that depends on ESRI's "OpenStreetMap Editor for ArcGIS" for preliminary data preparation and extraction of attributes, but enhances this with OSM rendering rules and automated data processing to build a topographic style map. It makes extensive use of SQL Definition Queries, Symbol Level Drawing and (Maplex) labeling options. The OSM Renderer for ArcGIS cartographic styling is loosely based on CartoCSS/Mapnik rendering, with adjustments.