



MESA PD

ELECTRIC BICYCLES

Officer Mike Kuntz 17436
Traffic Training Officer

PERFORMANCE OBJECTIVES

- ❖ Identify the different classes of “E” bikes
- ❖ Identify which class of “E” bikes can ride in bike paths.
- ❖ Identify different styles of non pedal assisted “bikes”
- ❖ Describe what enforcements options are available

DIFFERENT CLASSES OF ELECTRIC BICYCLES

❖ Class I

1. 20 MPH with peddle assist

❖ Class II

1. 20 MPH without peddle assist

❖ Class III

1. 28 MPH with peddle assist





















DIFFERENT CLASSES OF ELECTRIC BICYCLES

- ❖ As of January 1st, 2019 class must be affixed to bicycle to include top assisted speed and motor wattage
- ❖ If manufactured or distributed in US.

BIKE PATHS AND MULTIUSE USE PATHS

- ❖ Class I & II can operate in bike and multiuse paths
- ❖ Class III can not operate in bike and multiuse paths

DIFFERENT STYLES OF NONE PEDDLE ASSISTED DEVICES


































	REGISTRATION & INSURANCE	LICENSE ENDORSEMENT CLASS	MAX SPEED LIMIT	USE IN BIKE LANE	CAN CHARGE DUI
Gas Powered Bicycle 	NO <i>No License Required</i>	 NO	20 MPH	 YES	 NO
Moped 	 YES	Any	25 MPH <i>Flat Surface</i>	 NO	 YES
Motorcycle  	 YES	M	Posted	 NO	 YES
Motor Drive Cycle under 5 hp or 3.7 Kilowatts 	 YES <i>(MVD will not register)</i>	M	Posted	 NO	 YES
Autocycle 	 YES	D	Posted	 NO	 YES



Bike Flow Chart & Motorcycle Definitions



DIFFERENT STYLES OF NONE PEDDLE ASSISTED DEVICES

No License Required	PEDAL OPERATED	MAX MOTOR ASSISTED SPEED	MIN AGE ON PUBLIC RIGHT OF WAY	BIKE LANE	ROADWAY	OPERATE ON SIDEWALK	OPERATE CITY PARK
Bicycle 	 YES	N/A	N/A	 YES	 YES	 YES	 YES
Electric Bicycle Class 1 	 YES	20 MPH	16	 YES	 YES	 YES per ARS  NO MCC 10-1-14	On Public Roadway Only
Electric Bicycle Class 2 	  YES / NO Pedals required but no necessary to operate	20 MPH	16	 YES	 YES	 YES per ARS  NO MCC 10-1-14	On Public Roadway Only
Electric Bicycle Class 3 	 YES	28 MPH	16	 NO	 YES	 YES per ARS  NO MCC 10-1-14	On Public Roadway Only
Electric Miniature Scooter Under 30 lbs 	N/A	10 MPH	16	 NO	 YES	 YES Except in Pedestrian Overlay	On Public Roadway Only
Electric Standup Scooter Under 76 lbs 	N/A	25 MPH ARS 15 MPH MCC	16	 YES	 YES	 YES Except in Pedestrian Overlay	On Public Roadway Only

ENFORCEMENT

❖ Arizona Revised Statutes (ARS)

1. Patrol
2. Traffic

❖ Mesa City Codes (MCC)

1. Patrol
2. Traffic

RIDING ON SIDEWALKS

- ❖ MCC does not allow any class of electric bicycle to be ridden on a sidewalk while under assisted power
- ❖ MCC does not allow anyone under the age of 16 to operate an electric bicycle (secondary offense)

QUESTIONS?