


Mesa PD

Electronic Bicycles and
Motorcycles






Overview

- ❖ Updates to Mesa City Code
 - ❖ Identify the different classes of “E” bikes
 - ❖ Identify which class of “E” bikes can ride in bike paths.
 - ❖ Identify different styles E Motorcycles
 - ❖ Education and Enforcements
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MCC 6-10-2 6-10-4 Updates

- ❖ Update definitions of E-Bikes
 - ❖ Update definition of “Motorized Vehicle”
 - ❖ Multi Use Path changed to Shared Use Path
 - ❖ Class 1 and 2 allowed in park and motorized vehicles under special event license
 - ❖ Other motorized vehicles and class 3 E bikes not allowed
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DIFFERENT CLASSES OF ELECTRIC BICYCLES

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❖ Class I

1. 20 MPH with peddle assist

❖ Class II

1. 20 MPH without peddle assist

❖ Class III

1. 28 MPH with peddle assist



CLASS 1



CLASS 2



CLASS 3

Max Speed

20 mph

20 mph

28 mph

Pedal Assist



Throttle





Motorized Vehicle

MCC 6-10-2

- ❖ **MOTORIZED VEHICLE: AN ALL-TERRAIN VEHICLE, AUTO CYCLE, CLASS 1 ELECTRIC BICYCLE, CLASS 2 ELECTRIC BICYCLE, CLASS 3 ELECTRIC BICYCLE, DUNE BUGGY, ELECTRIC MINIATURE SCOOTER, ELECTRIC PERSONAL ASSISTIVE MOBILITY DEVICE, ELECTRIC STANDUP SCOOTER, GAS OR ELECTRIC POWERED AUTOMOBILE OR TRUCK, GOLF CART, MOPED, MOTORIZED WHEELCHAIR, MOTORCYCLE, MOTOR DRIVEN CYCLE, MOTOR VEHICLE, MOTORIZED QUADRICYCLE, MOTORIZED SKATEBOARD, NEIGHBORHOOD ELECTRIC SHUTTLE, NEIGHBORHOOD ELECTRIC VEHICLE, OFF-ROAD RECREATIONAL MOTOR VEHICLE, PERSONAL MOBILE CARGO CARRYING DEVICE, OR WORK UTILITY CART.**



BIKE PATHS AND SHARED USE PATHS

- ❖ Class I & II can operate on bike and shared use paths
- ❖ Class III can not operate in bike and multiuse paths
- ❖ No other motor vehicles allowed to operate in Park



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)

Motorcycle and E-Motorcycles (Surrón / Talaria)







- ❖ Sold as “Electric Dirt Bike”
- ❖ Requires Motorcycle Endorsement
- ❖ Requires registration and insurance
- ❖ Requires helmet if under 18
- ❖ Requires mirror and brake light
- ❖ Not Street legal (as sold)
- ❖ Speeds reach 50-60 mph



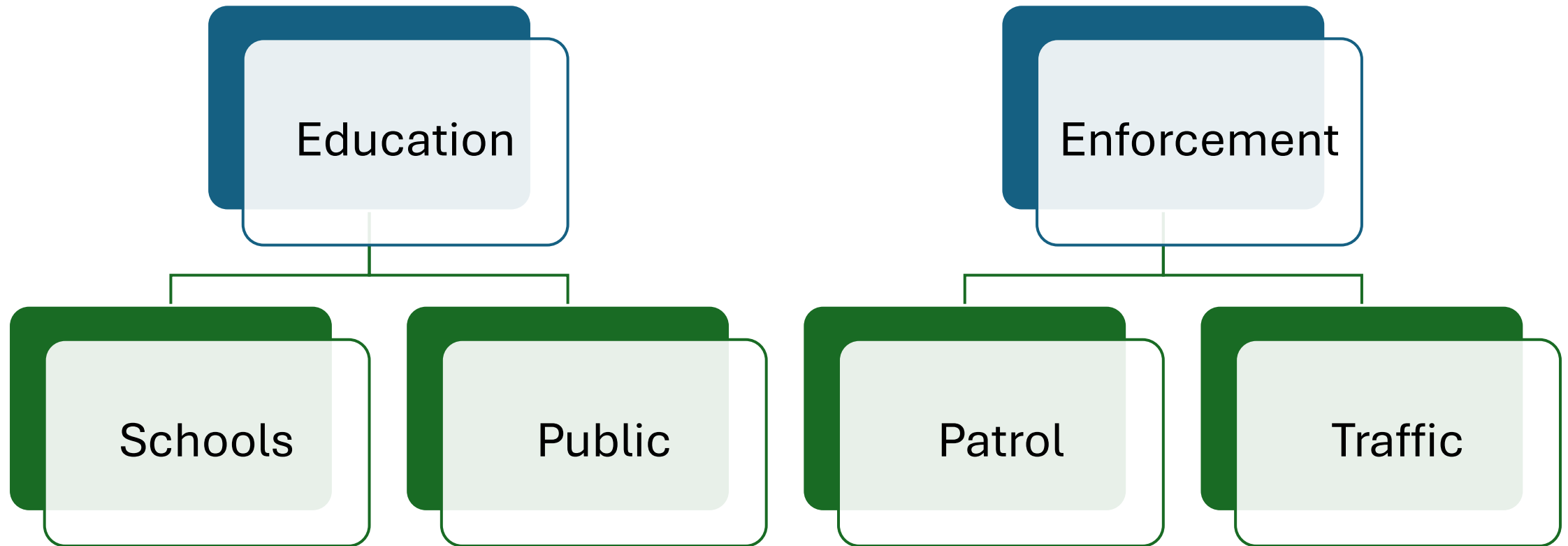
DIFFERENT STYLES OF NON-PEDAL ASSISTED DEVICES

	Registration & Insurance	License Endorsement class	Max Speed limit	Use in Bike lane	Can Charge DUI	ARS MCC
Gas powered Bicycle 	No No license required	No	20MPH ARS 28- 101.46	Yes	No	<u>28-817.a</u> bike lights <u>28-817.c</u> brake req. <u>28-793a</u> yield to veh. When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required
Moped 	Yes	Any valid license ARS 28-2513.6	25MPH Flat surface ARS 28-101.46	No ARS 28-2513.7	Yes	28-101.46 Gas powered < 50cc or < 1 ½ HP max speed 25mph on flat surface 10-1.2 register with City If driving over 25MPH this qualifies as a motor driven cycle and all endorsement, insurance, registration is required.
Motorcycle 	Yes	M ARS 28-3101.A6	Posted	No ARS 28-815.d	Yes	28.904.a can't be ridden on sidewalk 28-4135. Insurance 28-964a helmet if under 18
Motor Drive Cycle under 5hp or 3.7 Kilowatts 	Yes (MVD will not register)	M ARS 28-3101.A6	35MPH ARS 28-705 if headlamp <u>not</u> equipped Posted speed with lights	No ARS 28-815.d	Yes	28.904.a can't be ridden on sidewalk 28-4135. Insurance 28-964a helmet if under 18 28-101.48 gas or electric < 5HP or 3.7 KW Requires registration, insurance, eye protection, motorcycle endorsement.
Autocycle 	Yes	D ARS 28-3101.A6	Posted	No ARS 28-815.d	Yes	28.904.a can't be ridden on sidewalk 28-4135. Insurance

DIFFERENT STYLES OF NON-PEDAL 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	ARS MCC
Bicycle 	Yes	N/A	N/A	Yes	Yes	Yes	Yes	28-817.a bike lights 28-817.c brake req. 28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required
Electric Bicycle Class 1  Under 750 watts	Yes Pedals must be installed	20MPH ARS 101.28a	16 MCC 10-1-20	Yes	Yes	YES per ARS 28-819.D No MCC 10-1-14	On public roadway only	28-817.a bike lights 28-817.c brake req. 28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required
Electric Bicycle Class 2  Under 750 watts	Yes / No Pedals must be installed	20MPH ARS 101.28b (no <u>assist</u> above 20MPH)	16 MCC 10-1-20	Yes	Yes	YES per ARS 28-819.D No MCC 10-1-14	On public roadway only	28-817.a bike lights 28-817.c brake req. 28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required
Electric Bicycle Class 3  Under 750 watts	Yes Pedals must be installed	28MPH ARS 101.28c No assist above 28MPH) Riding > 28MPH unassisted makes this a motor driven cycle	16 MCC 10-1-20	No	Yes	No per ARS 28-819.e No MCC 10-1-14	On public roadway only	28-817.a bike lights 28-817.c brake req. 28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required
Electric Miniature Scooter Under 30 LBS 	N/A	10MPH ARS 28.29.f 15 MPH MCC10-1-9	16 MCC 10-1-20	No	Yes	Yes Except in Pedestrian overlay	On public <u>roadway</u> only	28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required 10-1-9 max 15mph
Electric Standup Scooter Under 75 LBS 	N/A	20MPH ARS 28.31a.vi 15 MPH MCC10-1-9	16 MCC 10-1-20	Yes	Yes	Yes Except in Pedestrian overlay	On public <u>roadway</u> only	28-793a yield to ygb . When crossing 10-1.21 reckless riding (c2m) 10-1.2 register with City 10-1.15 lights required

EDUCATION / ENFORCEMENT





QUESTIONS?