



E-BIKE SAFETY

EDUCATION AND ENFORCEMENT PLAN

HUNTINGTON BEACH CITY COUNCIL

MARCH 1, 2021




E-BIKES DURING PANDEMIC

THE OCR

NEWS • News

E-bike sales and usage already on the rise surge during pandemic




A woman on an electric bike, right, passes a man on a regular on the boardwalk near the Newport Beach Pier in Newport Beach on Thursday, August 13, 2020. E-bikes have gained in popularity in recent years and even more so this past summer, as people are left during the coronavirus shutdowns with fewer options for entertainment and exercise. (Photo by Leonard Ortiz, Orange County Register/SCNG)

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Electric bikes see a pandemic-driven spike

 Ashley Gold




Photo: Samuel de Roman/Getty Images

E-BIKE INDUSTRY SALES

- **2020 Industry reported revenue - \$15 billion**
- **Deloitte Study: 73% increase in sales 2020**
- **Sales doubling in Europe by 2030**

As a destination City, use and sales of e-bikes locally in HB have seen a similar rise



ELECTRIC BIKE: E-BIKE

- **What is it?**

An “electric bicycle” is a bicycle equipped with fully operable pedals and an electric motor of less than 750 watts.



E-BIKE REGULATIONS

Federal: US Code § 2085

California: AB 1096 (Adopted 10/7/15)

CLASS 1



20 mph
pedal assist only
no throttle

CLASS 2



20 mph
throttle assist
pedal assist

CLASS 3



28 mph
pedal assist
no throttle*

BEACH PATH CONFLICT

- **HB Tourism: 4 million annually**
- **E-bike speed > 20 mph**
- **Pedestrian speed approximately 3 mph**

**Police Department conducts Bicycle Education
PSA Videos
Educations Booths at Pier Plaza**

Collisions on the beach bike path

- **Since 2019, 14 bicycle-related collisions have been reported, with 4 e-bike related**
- **Incidence rate involving e-bikes has increased over the past 12 months**

HB MUNICIPAL CODE 13.08.280

13.08.280 Vehicle and Parking Regulation—Beach

- A. No Person shall operate or possess any motor-driven cycle, motor-driven bicycle, motorcycle, automobile, motor truck or other motorized vehicle or conveyance (regardless of power source or size) on the Beach or Adjacent Beach Area other than for law enforcement, lifesaving or emergency purposes, or for Beach maintenance purposes, except by permit issued by the Director; nor on any roads on which signs are posted prohibiting such activity, nor in any manner or direction prohibited by posted signs, nor on any Beach or Adjacent Beach Area other than on the roads, drives or parking areas designed for such purposes.
- B. No Person shall operate any Wheeled Conveyance on the Beach Service Road if said Wheeled Conveyance has been prohibited by the Director and said prohibition has been properly posted.
- C. **Exceeding Speed Limit.**
 - 1. No Person shall operate any Wheeled Conveyance of any type on the Beach, Adjacent Beach Area, or Beach Service Road at a speed in excess of 10 miles per hour unless a greater speed is posted. The maximum speed limit when pedestrians are present shall be five miles per hour.
 - 2. No Person shall operate any Wheeled Conveyance of any type on the Beach Service Road at a walking speed in excess of two and one-half miles per hour, between designated points, when the yellow lights are flashing.

INITIAL CITY RESPONSE: EDUCATION AND ENFORCEMENT

- **Education program launched February 15, 2021**
 - **PD stopping and educating the public on the beach bike path**
 - **Visiting local retailers, Downtown BID, and Visit HB**
- **Social media**
- **Enforcement to start Monday, April 5, 2021**

SAFETY REMINDERS



HUNTINGTON BEACH PD TRAFFIC BUREAU **SAFETY REMINDER**

BICYCLE PATHWAY SPEED LIMITS



THE SPEED LIMIT ON THE BEACH PATH
IS **5 MPH** WHEN PEDESTRIANS ARE
PRESENT OR **10 MPH** UNLESS
OTHERWISE INDICATED

(HBMC 13.08.280)



MOTOR VEHICLES, MOTORCYCLES,
MOTORIZED BICYCLES, ELECTRIC
BICYCLES, MOPEDS, & MOTOR DRIVEN
CYCLES MAY **NOT** BE OPERATED ON
BEACHES/BICYCLE PATHS/SIDEWALKS

(HBMC 10.84.270)



HUNTINGTON BEACH PD TRAFFIC BUREAU **SAFETY REMINDER**

CITY RESPONSE PLAN GOING FORWARD



- **Short term response**
 - **Education: began February 16**
 - **Enforcement: April 5**
- **Medium term response**
 - **Infrastructure improvements, such as electronic signage in strategic locations**
 - **Explore bike walk zones**
 - **Analyze seasonal e-bike prohibitions**
- **Longer term response**
 - **Preparation of a citywide mobility plan, with a goal being to provide alternative pathways for e-bikes**

QUESTIONS?