

**CITY OF TWIN OAKS
BOARD OF ALDERMEN SPECIAL MEETING
BOARD CHAMBER, TWIN OAKS TOWN HALL
1381 BIG BEND ROAD
WEDNESDAY, JUNE 22, 2022, 3:00 p.m.**

Tentative Agenda

- 1) SPECIAL MEETING CALLED TO ORDER

- 2) DISCUSSION ITEMS
 - a) Purchase of New Electric Police Bike
 - b) Policy on ROW Maintenance

- 3) ADJOURNMENT

Frank Johnson
City Clerk/Administrator

POSTED: June 17, 2022, 5:00 p.m.

Please note: Any person requiring physical or verbal accommodations should contact the city office 12 hours prior to meeting at 636-225-7873. Copies of public records for this agenda are available for public inspection before and at the time of the meeting.

Memo to: Board of Aldermen
From: City Clerk/Administrator Frank Johnson and Officer John Wehner
Subject: Police Bike Replacement
Date: June 17, 2022

BOARD ACTION REQUIRED

- Due to the age of the current electric bike, the increasing costs of maintenance, and supply issues with replacement parts, staff is requesting the purchase of a newer generation electric-assist bike for use in police patrols.

BACKGROUND

The current electric bike used for police patrols is a 2018 Giant Explorer E, which has logged over 530 hours of use from 2019-2022. As a police bike, it has experienced more strain on its components due to the stop-and-go and low-speed nature of the riding.

Over the course of its use with the City, a variety of maintenance has been performed on the bike:

- Replacing both tires and replacing the front and back brake rotors
- Replacing the brake pads x4
- Two wheel alignments
- Firmware updates
- Rear cassette (gears) alignment and tightening
- Brake fluid refill
- Basic yearly and weekly maintenance (majority of this has been done by Officer Wehner or Ballwin Bicycle at cost to them)

The current bike is facing a backlog of maintenance due to supply issues for replacement parts. The work required includes new brake levels, fluid, and pads; computer/firmware updates (provided old software is still compatible; rear cassette maintenance; drive chain replacement.

Battery Replacement

In addition, the battery will need to be replaced within the next several years. The manufacturer lists the useful life of the battery at around 500 charges. We are currently at around 200 charges. The battery is operating at 82 percent efficiency. A new replacement battery would cost around \$840, but it may be hard to find as Giant switched to a newer battery model starting with its 2020 bikes.

Options for New Electric Bike

The following models are recommended as possible replacements for the current electric-assist bike:

- Giant — Trance X E \$6,250 Upgraded battery, motor, suspension and other components
- Giant — Stance E+ \$4,400 Upgraded brakes and other components
- Giant — Talon E \$2,900 More basic model, equivalent to current bike