

SPECIFICATIONS

2019 or newer Harley-Davidson® FLHTP Electra Glide® Police

QUANTITY: Five (5) 2019 or Newer Harley-Davidson® FLHTP (Fairing with Windshield) Electra Glide® Solo Law Enforcement Motorcycles.

Color: **Vivid Black.**

BASE VEHICLE SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for the FLHTP solo law enforcement motorcycles which will be used by the Guilford County Sheriff's Office.

SPECIFICATIONS

All proposed FLHTP motorcycles to be in full compliance as follows:

A. Engine

Piston displacement of not less than 1690cc OHV Twin Cam 103®

Vibration Isolated V-Twin, air-cooled, equipped with OE standard oil cooler, two cylinders with overhead valves and featuring EITMS (Engine Idle Temperature Management System), producing minimal vibration frequencies and magnitudes. Engine and transmission isolated from motorcycle frame utilizing a rubber mounting system.

- Powertrain deluxe chrome group designed for low maintenance; black powder coat finish on engine; chrome rocker boxes, timer cover, outer primary housing & transmission covers.
- Compression ratio: 9:6:1
- Electronic Sequential Port Fuel Injection System (ESPFI)
- Chain Drive Twin Cams
- Hydraulic Lifters requiring no maintenance service adjustments

B. Clutch / Transmission

- Clutch shall be of the latest multiple nine (9) plate design, wet.
- Transmission to be of latest design, manual type, with not less than six (6) forward speeds.
- Clutch disengage for starter motor operation
- Primary Drive, double-row chain, 34/46 ratio.
- Greaseless shifter shaft with "anti-vibration" rubber spacers.
- Gear Ratios

1st

9.593

2nd

6.650

3rd

4.938

4th

4.000

5th

3.407

C. Brakes

- Independent Anti-Lock Brake System
- Hydraulic Disc brakes for both front and rear wheels
- Front brake having dual 11.81-inch diameter discs
- Rear brake having a single disc.
- Brakes shall be relatively free of heat fade
- Calipers-4 Piston
- Uniform Expanding Rotors

D. Suspension

Motorcycles shall be provided with a suspension system to permit optimum handling conditions as required in law enforcement.

- 41.3 mm telescopic front forks.
- Rear air-adjustable shocks.
- Rear suspension swing arm bearings shall require no lubrication for life of the motorcycle.

E. Wheels / Tires

- Black Slotted Disc Cast Aluminum wheels, rim material to be impermeable to compressed air.
- Tubeless type tires to have non-skid tread, designed to operate on paved highways and shall have a full, four-ply fabric reinforcement.
- Nitrogen Filled Bead-retention tires designed to remain on wheel during sudden loss of pressure.
- Sealed automotive style wheel bearings requiring no endplay adjustment and service interval of 100,000 miles (160,000 km).

F. Fuel Tank

- Fuel tank to have a capacity of six (6) U.S. gallons (or 22.71 liters). Must provide a minimum of 1 gal (3.8 L) reserve fuel capacity when main supply is exhausted.
- Electric fuel pump.

G. Electrical System

Electrical system shall be nominal 12-volt as follows:

- Battery. Sealed, heavy-duty maintenance-free, 12-volt, minimum rated capacity – 28 ampere hours (Battery Council International rating), 270 cold cranking amps.
- Ignition. Non-waste spark, alpha control.
- Charging System. Three-phase, 50-amp high output alternator, solid state regulator.
- Connectors. Industrial grade throughout, provided with electrical accessory connection.
- Hand Controls. Water-resistant, integrated switches.
- Starting System. 12-volt starter, solenoid operated engagement, relay required.
- Horn. Sound level audible above motorcycle and traffic-generated noise.

H. Lighting

All Pursuit lighting shall be blue.

Each motorcycle shall be provided with the following lighting equipment:

- Quartz Halogen Headlight, 55 watt low beam and 60 watt high beam.
- Pursuit lamps front mounted PAR-36, both blue.
- Tail light.
- Turn Signals, self-canceling system.
- Flashers, four-way, integrated into turn signal switches.
- License plate lighting with two blue marker lamps.
- Front (Amber) and Rear (Red) Fender Tip Lights

I. Visual Displays

- Speedometer. Analog speedometer, range 0-120mph (or kph equivalent),
- (2) re-settable trip meters.
- Odometer. Calibrated, cumulative.
- Tachometer. Analog.
- Fuel level gauge.
- Emergency Light Activation Indicator.
- Sight glass on brake master cylinders.
- Fuel Mileage countdown till empty displayed in odometer window when Low fuel indicator lamp is lit.
- Turn Signal Indicators
- Neutral Indicator
- High beam Indicator
- Low Oil pressure Indicator
- Voltmeter
- Engine diagnostic light
- ABS indicator lamp
- Security Lamp (if equipped with optional security system)

J. Feature Requirements

- Seat. Deluxe solo air saddle, special police type, breathable material covering, single air bladder suspension with reservoir and integral gauge.
- Side Stand. Jiffy stand with electronic disengage to prevent drive off with jiffy stand deployed.
- Foot Boards. pivoting type with non-skid rubber pads.
- Guards. Front engine guard bar and rear saddlebag guard bars.
- Saddlebags. Factory installed, law enforcement type Injection Molded GTX saddlebags, approximately 2000 cubic inches of storage space per bag, water-resistant, utilizing police style speed latches.
- Final belt drive, with a rubber isolated 68 tooth rear drive sprocket.
- Chrome, two into one into two exhaust system
- Windshield. Constructed of clear polycarbonate, designed to break away with minimal force.

- Mirrors. Two (2) long stem true image mirrors.
- Key. One key fits all locks.
- Wheelbase. 63.5 inches (1613.9 mm).
- Laden Seat Height. 27.3 in. (693.4 mm).
- Gross Vehicle Weight Rating. 1360 lbs. (616.8 kg.)
- Dry Weight. 794 lbs. (358.7 kg.)
- Running Order. 831 lbs. (375.5 kg.)
- Service Intervals. 1. 1000 miles and then every 5000 miles thereafter.
- Fender Tip Running Lights. Amber at front, red at rear.
- Warranty. 24 months, unlimited mileage. Dealer to provide pick-up and delivery for all warranty repairs or routine service within 12 hours of initial call for service at no cost to Guilford County during the factory warranty period.

K. Dealer Installed Equipment (Genuine Harley Davidson Parts)

The following items must be installed at time of delivery & all labor costs, shop supplies, etc . must be included as part of the turn key bid price. All items must be Harley Davidson approved equipment and must be covered under the same factory warranty terms as the vehicle.

Tour-pak

Tour-pak
LED Tour-Pak Lights
Tour-pak Lock
Adaptor Plate
Auxillary Battery

LED Mirrors

Mirrors
y-adaptor

Pursuit LED Lights

Pursuit lamps

Engine Guard LED's

Light Kit

Headlamp Strobe

Strobe kit

Windshield LED Bar

LED Bar Light Kit

Emergency Response Kit (amp, speaker, siren, microphone,

brackets)

E.R. Kit

Heated Grips

Grips

L. Additional Equipment Installation Labor

The following items will be provided by the Guilford County Sheriff's Office and must be installed at time of delivery. All labor, shop supplies, etc. associated with the items below to be included in the total turn-key bid price. ALL equipment listed must be connected to the load management device to ensure optimum battery performance. Any additional parts/fabrication work is noted with the item below.

Our agency places officer safety as a top priority and these items are necessary to ensure safety and performance throughout the duty cycle. Each supplier shall present a written statement indicating that they have experience with installing said equipment on 2012 or newer Police Specific FLHTP motorcycles and provide references that can attest to the quality of workmanship.

- SETCOM MCH-6MU MOTORCYCLE CABLE KIT (HD SPECIFIC FOR MOTOROLA APX RADIO –INCLUDES PA INTERFACE, 3 POSITION HANDLEBAR TOGGLE SWITCH, MOMENTARY PTT SWITCH & LOCKING PA BROADCAST)
- SETCOM SUPERMIC+ (MOBILE+ RADIO CONFIGURATION – INCLUDES AUTO SPEAKER MUTE, AUTO MICROPHONE MUTE, HI/LO VOLUME SWITCH, LONG UPPER CABLE & SMALL SPLICE BOX FOR MOTOROLA APX SERIES RADIOS FOR AUTO SWITCHING)
- SETCOM KA-23IM HELMET KIT (FULL FACE HELMET KIT WITH DUAL SPEAKERS AND INTERNAL MOUNT BOOM MICROPHONE)
- MOTOROLA APX7500 700/800 MHz REMOTE MOUNT MOBILE RADIO WITH HD SPECIFIC MOUNTS AND WEATHER RESISTANT MEMBRANE.
- MOTOROLA MODEL O5 MOTORCYCLE SPECIFIC CONTROL HEAD FOR APX7500 RADIO INCLUDES HD SPECIFIC MOUNTS AND WEATHER RESISTANT MEMBRANE.
- TWO ANTENNEX/LAIRD 700/800 MHz REMOTE MOUNT ANTENNAS. (A CUSTOM BRACKET AND ADEQUATE GROUND PLANE MUST BE FABRICATED AND INCLUDED AS PART OF INSTALLATION LABOR – MANUFACTURERS RECOMMENDATIONS MUST BE FOLLOWED FOR MINIMUM GROUND PLANE SIZE & SPACING)
- TWO MOTOROLA 700/800 MHz RG58 COAXIAL CABLE TO CONNECT APX7500 RADIO TO ANTENNA (MUST BE CUT TO LENGTH AND TERMINATED WITH BRASS MOTOROLA NMO MOUNT AT THE ANTENNA BRACKET AND A MINI-PL CONNECTOR TO MATE WITH THE RADIO END – NOTE: SPECIAL TOOLS REQUIRED)
- HAVIS DS211 DOCKING STATION FOR PANASONIC TOUGHBOOK MODEL 19 (MUST CONNECT POWER, PRINTER, DATA & VIDEO CABLES)
- HAVIS LP101 DOCK POWER SUPPLY (MUST PROVIDE POWER & GROUND)
- COPELAND ENGINEERING POWER TAMEER VS LOAD MANAGEMENT DEVICE (MUST CONNECT POWER, GROUND & IGNITION SENSE)

- MPH Bee iii Remote Mount Radar Unit with dual Ka band antennas.

DELIVERY: The Five Harley Davidson Motorcycles must be inspected, totally cleaned, and full of fuel at the time of delivery for acceptance by the Guilford County Sheriff's Office, at a location to be designated to the awarded supplier.