

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-329
Item to be Scouted	Electric Bicycles
Days to be scouted	30
Response Due By	07/31/2026
Description	Share use E-bikes compatible with the Capital Bikeshare Program (capitalbikeshare.com), bike including docking equipment, and backed software

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Finished shareable e-bike for city transit
Provide dimensions / size / tolerances / performance specifications for the item	Links to the major patents and drawings: Lyft's Virtual Patent Marking Page (https://www.lyft.com/patents) Bike Type Designed for shared-use Rider Height: 1.47 m - 2.00 m Frame: Retro-reflective paint, step-through frame for upright riding Weight: 37 kg 83 lbs Basket 4-sided basket with dual-anchored bungee 25 lbs carrying capacity Locking Compatible with docking stations, or Cable Lock (optional) Drive Rear wheel drive Cables Integrated into frame Gears Single speed Handlebars Angled, ergonomic design with antimicrobial grips Brakes Front drum brake, rear hydraulic disc brake Wheels 26" Anodized aluminum rims Stainless steel spokes 30% Recycled materials Tires Puncture resistant tires made from 30% recycled materials Lights Headlight, Tail Light, Light Ring for additional visibility and beaconing Night

time visibility of 500+ ft front/rear with side visibility of 200+ ft

Reflectors

Front, side, rear and wheel reflectors as required by CFR 1512

Bell

Warning bell on left handlebar

Pedals

Non-slip

Fenders

Front and rear

Saddle

Weather-resistant

Seatpost

Easy to adjust lever, no swivel

RFID

Passive RFID tag (13.56MHz band) that uniquely identifies the bicycle by storing an unique ID in digital form.

GPS

Multi-constellation Dual-Band GPS with optional Wi-Fi and IMU enhancement for up to 1m accuracy

Max Speed for Electric Pedal Assist

Configurable by city. Max 20 mph.

Range

65+ miles

Motor

Rear hub motor, 20Nm/350W Continuous, 50Nm/500W Peak

Battery

Energy content approx. 1kWh

Durable aluminum enclosure

Swappable

On-street charging capable

Embedded Technology

Connectivity: LTE CAT1

Bike Location: GPS plus optional WiFi and IMU for combined sensor localization

Reader: NFC

Firmware Updates

Delivered over-the-air (OTA)

Unlock Capabilities

NFC Unlock

QR Code Unlock

Bike ID number unlock

User Interface

Handlebar screen for riders, including speaker

	Cable Lock (optional) 10mm diameter steel braided cable with plastic housing Security Custom hardware to mitigate wheel theft In-motor immobilization and rear cable lock Bicycle ID Each device has a unique device number Serial Number Each device has a unique serial number Kick-stand Single-sided Color and Logo Customizable decals Key Certifications ISO 4210, CFR1512, UL2849, UL2271 Useful Life 5+ years
List required materials needed to make the product, including materials of product components	Steel/Aluminum/Plastics etc that make up e-bike and the software to be shareable for city transit
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	One-time order of approximately 1000 bikes
Estimated target price / unit cost information (if unavailable explain)	\$4,220,205.00
When is it needed by?	Obligations must be completed prior to September 30, 2026
Describe packaging requirements	Individually wrapped
Where will this item be shipped?	District of Columbia

Additional Comments

Is there other information you would like to include?	Agency providing funds: Federal Highway Administration (FHWA) Name/POC for BABA related questions: Nepolina K. Chhetri Email address of contact: Nepolina.Chhetri@dc.gov
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