

CITY OF MOBILE

BID SHEET

This is Not an Order
.....

Mailing Address:
P. O. Box 1948
Mobile, Alabama 36633
(251) 208-7434

**Purchasing Department
and Package Delivery:**
Government Plaza
4th Floor, Room S-408
205 Government St
Mobile, Alabama 36644

**READ TERMS AND CONDITIONS
ON REVERSE SIDE OF THIS PAGE
BEFORE BIDDING**

Typed by: mns Buyer: 002

Please quote the lowest price at which you will furnish the articles listed below

DATE	BID NO.	DEPARTMENT	Commodities to be delivered F.O.B. Mobile to:
01/22/2019	5250	Motor Pool	745 S. Broad Street

This bid must be received and stamped by the Purchasing office not later than: 11:00 A.M. Tuesday, February 12, 2019

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
<p>Bid on this form ONLY. Make no changes on this form. Attach any additional information required to this form.</p> <p><u>THIS CANCELS AND REPLACES</u> <u>CITY OF MOBILE BID 5121</u></p> <p>POLICE PACKAGE SPORTS UTILITY VEHICLES</p>						
Appx. 1-10 ea.	<p>2019 SPECIFICATION A 2019 Police Package Vehicle 2019 Chevrolet PPV Tahoe Full Size, 2-Wheel Drive SUV Standard Police Package specification Color to be specified with order. To include the following options 6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlight, 6C7 Interior Dome Lamp, Seat Option 9U3 20% Front Seat Delete, and Fitted Front and Rear Floor Mats, Bucket Front Seats as below:</p> <p>Make _____ Model _____</p>					
Appx. 1-10 ea.	<p>2019 SPECIFICATION B 2019 Police Package Vehicle 2019 Chevrolet PPV Tahoe Full Size Patrol (as below), 2-Wheel Drive SUV Standard Police Package specification Color to be specified with order. To include the following options 6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlights, 6C7 Interior Dome Lamp, Fitted Front and Rear Floor Mats, Bucket Front Seats, Seat Option 9U3 20% seat To be fully equipped as per 2019 Specification B:</p> <p>Make _____ Model _____</p>					
			TOTAL			

RETURN ONE SIGNED COPY OF THIS BID
IN ENCLOSED ENVELOPE

State delivery time within _____ days of receipt of P.O.

Firm Name _____

Typed Signature _____

By _____

We will allow a discount _____ % 20 days from date of receipt of goods and correct invoice of completed order.

BID CONTINUATION SHEET

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
	Page 2 of 5					
Appx. 1-10 ea.	<p>2019 SPECIFICATION C 2019 Police Package Vehicle 2019 Chevrolet PPV Tahoe Full Size Patrol, 2-Wheel Drive SUV Standard Police Package specifications Color to be specified with order. To include the following options 6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlights, 6C7 Interior Dome Lamp, Fitted Front and Rear Floor Mats. Bucket Seats, Seat option 9U3, 20% seat delete:</p> <p>Vehicle to be fully equipped as per 2019 specification "C"</p> <p>Make _____ Model _____</p> <p>Vehicle color shall be all standard colors for the brand vehicle. Initial colors will be black or white. Other standard colors may be ordered as needed.</p> <p>As the upfit process may take some time, City of Mobile will not pay for vehicles until they have been upfitted and delivered to the City of Mobile Motor Pool.</p> <p>City of Mobile will make no early or partial payment for vehicles prior to the vehicles being delivered.</p> <p>Experience has shown that upfitters are able to sometime do less than one (1) vehicle per day.</p> <p>Vendor shall be responsible to provide the vehicle Equipped, Upfitted, and ready for use to the City of Mobile.</p> <p>Vendor shall not substitute the make and models of the Items to be added or upfitted to the vehicle bid. The City has set a standard that shall be followed.</p>					
			TOTAL			

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IN ENCLOSED ENVELOPE

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Firm Name _____

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BID CONTINUATION SHEET

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
	<p align="center">Page 3 of 5</p> <p>Vehicles will be delivered to the City of Mobile Motor Pool. City will not pick up the vehicle from a vendor or dealership.</p> <p>No City Employee is to be allowed to pick up a vehicle from the Dealership.</p> <p>Vehicles are to be delivered with six (6) sets of fully functional keys and remote fobs that include the electronics and are coded to start the vehicles or open doors.</p> <p>Include the price of Application for Certificate or Title in your bid price.</p> <p>All standard items are stated in your model Literature must remain on vehicle not removed except as noted.</p> <p>All pricing to be delivered pricing FOB Mobile. Vendor shall deliver to City of Mobile Motor Pool. City will not pick up vehicle, all must be delivered.</p> <p>The City of Mobile will not specify or require a bidder to use any specific Emergency Lighting Dealer or Supplier nor will we dictate who a bidder uses for installation or upfitting of Police Vehicles.</p> <p>If a bidder is told that they, the bidder, must only use a certain supplier or Upfitter, the Purchasing Agent of the City of Mobile needs to be notified.</p> <p>We have attached some sources that we are aware of. You are not limited to these listed.</p> <p>The City wishes to have open and competitive competition.</p>					
			TOTAL			

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By _____

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BID CONTINUATION SHEET

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
	<p align="center">Page 4 of 5</p> <p>City of Mobile Business License Required – See Item 14 (on reverse side).</p> <p>All vendors will be required to provide verification of enrollment in the E-Verify program. Additional information may be found at http://immigration.alabama.gov/</p> <p>If the successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Secretary of State prior to issuance of a Purchase Order.</p> <p>Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. See: www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx. Please note that the time between application for the issuance of a Certificate of Authority may be several weeks.</p> <p>Upon notification, vendor will have 10 business days to provide the Certificate of Authority and the E-Verify numbers to the Purchasing Department before award can be completed. (Vendors will possibly need to pay the expedite fee to meet this requirement because application is not sufficient. We must have a copy of the certificate with your Company ID number).</p> <p>Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State, nor the E-Verify for certification to submit a bid, but will need to obtain the Business License and Certificate of Authority verification and/or provide the E-Verify Certification, if applicable, prior to issuance of a Purchase Order.</p> <p>State of Alabama Local Vendor Preference Law 41-16-50 (a) and (d) Will apply to this purchase.</p>					
			TOTAL			

RETURN ONE SIGNED COPY OF THIS QUOTATION IN ENCLOSED ENVELOPE

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Firm Name _____
By _____

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NON PATROL BUILD

2019 SCHEDULE A

The Non Patrol Build Tahoe shall consist of the newest year model full size Chevrolet Tahoe PPV with 2-wheel drive. It shall include standard specifications and be white in color. It shall include the following factory options:

6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlight, 6C7 Interior Dome Lamp, 9U3 20% Front Seat Delete, and fitted front and rear floor mats.

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The City will accept no substitutions for the following equipment. The following emergency equipment is computer controlled and/or must be designed to be compatible. The following products shall be provided and installed on the above vehicle:

1. (1) SoundOff Signal ENGSCR7152- 400 series console mount siren control.
2. (1) SoundOff Signal ETSSIOON- IOON series composite speaker w/ universal bracket.
3. (1) MNSTAR SOLUTIONS PD-B6I6 -12 position split fused distribution block. This product must have 6 constant power, 6 switched power, and 12 ground connections.
4. (2) SoundOff Signal ENFSWP3B- nFORCE windshield permanent mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, black housing, 12 LED, single color -blue.
5. (6) SoundOff Signal EMPS2QMS4E-W- mPower 4" fascia light quick mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, white housing, 12 LED, dual color- blue/white. This product must have Dow Corning Clear Duty silicone molded one piece housing and optic design for longer life and to resist gravel pitting, scratching, or cracking.
6. (1) SoundOff Signal ECVDMLTST4G- interior cargo/LED dome light, flush mount w/ grey base, 6" x 3", white LEDs.
7. (1) Havis C-VS-2000-TAH-2 -console for 2015-2019 Tahoe 12.5" wide x 20" long.
8. (1) Havis C-CUP2-I-A06- dual internal angled cup holder.
9. (2) Havis C-ARM-102- console arm rest.
10. (1) Setina GK1119B1SHKSVSCA- Blac-Rac standalone mount universal rifle and shotgun rack.
11. (1) Setina GF1092TAH15- base for Blac-Rac standalone mount universal rifle and shotgun rack.
12. (1) Amphenol 031-2367-RFX- TNC RG58 connector or equivalent.
13. (1) MaxRad NM058U-NC- brass%" hole permanent mount connector with 17ft. RG58 cable or equivalent.
14. (1) GC Electronics 35-3370-BU- 12 VDC 30 Amp SPST rocker switch with red LED indicator.

Installation details:

Item# 1- SoundOff Signal ENGSCR7152- shall be installed as per manufacturer's specifications in the Havis console with a specific Havis bracket. Wiring connections for this item will be connected as follows:

Power: Attached to ignition power on MNSTAR Solutions fused distribution block.
Ground: Attached to ground on MNSTAR Solutions fused distribution block.
Speaker: Attached to factory wiring harness that is connected to siren speaker.
Horn Ring: Attached to factory wiring harness that is connected to the vehicle horn switch
Mic. Bracket: Will be mounted to Havis console

Item# 2- SoundOff Signal ETSS100N- shall be installed as per manufacturer's specifications to the core support using supplied hardware.

Item# 3- MNSTAR SOLUTIONS PD-B616- shall be installed per manufacturer's specifications inside the Havis console. It will protect as well as provide power for all aftermarket equipment. Wiring connections for this item will be connected as follows:

Constant Power: Connected to constant power on front factory upfitter harness.
Ignition Power: Connected to ignition power relays on front factory upfitter harness.
Ground: Connected to ground on front factory upfitter harness.

Item# 4- SoundOff Signal ENFSWP3B- will be installed as per manufacturer's specifications and using appropriate hardware to the headliner above the front seats and touching the front windshield.

Item# 5- SoundOffSignal EMPS2QMS4E-W- shall be installed as per manufacturer's specifications. One set will be installed on the front driver and passenger fenders and aligned horizontally. One set will be installed on the panel above the taillights and aligned vertically. One set will be installed on the panel beside the tag and aligned horizontally.

Item# 6- SoundOff Signal ECVDMILTST4G- shall be installed as per manufacturer's specifications and centered on the inside of the rear hatch.

Item# 7-9- Havis C-VS-2000-TAH-2, Havis C-CUP2-I-A06, & Havis C-ARM-102- shall be installed as per manufacturer's specifications. The Havis console will be installed between the front two seats. The cup holders and arm rests will be installed on the Havis console.

Item# 10- Setina GK1119B1SHKSVSCA- shall be installed as per manufacturer's specifications behind the Havis console.

Item# 11- Setina GF1092TAH15- shall be installed as per manufacturer's specifications behind the Havis console.

Item# 12- Amphenol 031-2367-RFX- shall be installed as per manufacturer's specifications. It will be crimped onto the end of the RG 58 cable.

Item# 13- MaxRad NM058U-NC- shall be installed as per manufacturer's specifications. It will run from a permanent mount in the center of the rooftop to the Havis center console where it will terminate with the Amphenol connector and be connected to the Harris MRU.

Item# 14- GC Electronics 35-3370-BU- shall be installed as per manufacturer's specifications in the rear hatch area. It will control the rear cargo area light. It will be wired as follows:

Earth: Connected to nearest available ground point.

Load: Connected to power on the rear cargo area light.

Supply: Connected to constant power on MNSTAR Solutions fused distribution block.

Additional Requirements:

Mobile Radio Wiring- the wiring harnesses for this item will be connected as follows:

Power: Connected to constant power on the MNSTAR fused distribution block.

Ignition: Connected to ignition power on the MNSTAR fused distribution block.

Ground: Connected to ground on the MNSTAR fused distribution block.

There are 2 power wiring harnesses, 1 for the head unit (display) and 1 for the MRU unit (brain). The head unit will be mounted on the Havis console using the specific Havis bracket. The MRU will be mounted inside the Havis console with a specific Harris bracket. A 3pin data cable will run between these 2 units. A RG-58 coaxial antenna cable will be roof mounted using a Harris mobile radio antenna and terminated with a TNC connector at the location of the MRU. A radio speaker will be mounted with the supplied mounting bracket and hardware to the rear of the Havis console.

Factory Flashers -The factory flashers are factory installed. There will be an activation wire in the factory upfitter wiring harness that will be extended and connected to the SoundOff control unit so as to activate when programmed to.

The installer will furnish to the City of Mobile a full diagram listing where the wire runs are located and listing what wiring scheme is being used (EX: Red=Constant Power, Yellow=Ignition Power, Black=Ground, Pink=Trigger, Blue and Brown=Siren, ETC).

A warranty and service agreement will be made detailing what service will be provided and for what length of time.

The company awarded the contract or its contractor shall stock replacement parts or have them readily available for repairs.

All wiring shall be protected by a raceway, channel, loom, or conduit. Any wiring outside of the passenger compartment shall be loomed. Any connections made outside of the passenger compartment shall be soldered and heat shrunk, or at minimum a heat shrink type connector shall be used. The connections on any wire 10 gauge or larger in diameter **must** have a mechanical connection (uninsulated crimp), as well as be soldered and heat shrunk regardless of location.

All lights will be synchronized together.

The installer is responsible for providing and installing all wiring, shop supplies, and any equipment not specifically listed as being provided by the City of Mobile; as necessary for a professional installation of the above listed items.

All installations must be professional, neat in appearance, and performed by one organization. All manners of installation and wiring must be uniform and appropriate for the equipment being used as well as comply with industry standards.

All wires will be routed behind trim and floor covering and positioned as to not interfere with other components.

PATROL BUILD

2019 SCHEDULE B

The Patrol Build Tahoe shall consist of the newest year model full size Chevrolet Tahoe PPV with 2-wheel drive. It shall include standard specifications and be white in color. It shall include the following factory options:

6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlight, 6C7 Interior Dome Lamp, 9U3 20% Front Seat Delete, and fitted front and rear floor mats.

The City will accept no substitutions for the following equipment. The following emergency equipment is computer controlled and/or must be designed to be compatible. The following products shall be provided and installed on the above vehicle:

(1) SoundOff Signal ENGKTGD002-MPD-P- This is a kit which consists of the following:

- A. (1) SoundOffSignal ENGCC01243- bluePRINT system controller.
- B. (1) SoundOffSignal ENGHNK01- bluePRINT central controller harness kit.
- C. (2) SoundOff Signal ENGHNK02- bluePRINT remote node harness kit.
- D. (1) SoundOff Signal ENGSCR7152- bluePRINT 400 series console mount siren control.
- E. (2) SoundOff Signal ENGND04101 -bluePRINT remote node.
- F. (2) SoundOff Signal ETSS100N- 100N series composite speaker w/ universal bracket.
- G. (1) SoundOff Signal ENGLNK004- bluePRINT Link Module.

* bluePRINT® Central Controller- Communication Hub for use within the EV Control System- 1 Active High Ignition Input, 24 Outputs (100 Amps max) • Must use PC configuration software to manage the relationship between input and outputs to create vehicle behaviors to improve officer and public safety

- Must be able to synchronize secondary lights to the light bar
- System must use Visual Diagnostic Indicators and Reliability Records for Each Output:
- Must be able to test and diagnose faults which may include over-current, over-temperature, over-voltage, under-voltage, and open-load.
- Logs are also recorded for the number of times the fault has occurred since last reset to aid in the diagnosis of intermittent connections.
- Each output has to have the ability to be individually timed after ignition is shut down; this eliminates the need for an external timer
- Each output has to have the ability to be programmed to load shed when the battery reaches certain programmed voltage levels
- Must have ignition security included in central controller-warning lights and siren activates when someone tries to steal the vehicle.

Input Voltage: 10-16Vdc (Negative Ground)

Outputs: Up to 82 programmable outputs

Inputs: Up to 40 discretely wired inputs+ 24 CAN-BUS inputs

The Central Controller processor stores and interprets the input and output configuration from the software application and control outputs accordingly as well as monitors outputs for fault conditions. The Central Controller is fully software configurable via PC Software app through USB connection. The central controller is the communication hub for other system components within the EV Control System allowing for:

- A communication port for light bar
- A communication port for 14 button control panel
- A communication port for other control system devices
- Up to 5 remote nodes
- Input node
- Up to 2 200R siren amplifiers or (1) 400 series siren amplifier

The central controller allows for 24 outputs for connection to vehicle devices (100 Amps max) and has:

- (4) 10-amp fused outputs- constant power
- (8) 10-amp solid state switchable outputs
- (12) 5-amp solid state switchable outputs. Each output to have a status LED to show if output is active

Must have a diagnostic LED to aid in diagnosing system issues

Input Voltage: 10-16Vdc (Negative Ground) Dimensions: 7" x 6.25" x 1"

IGN ON: Standby Current: 140mA Operating Temp: -40°C to+ 65°C

IGN OFF: Sleep Current: 0.34 MICROAMPS

Must have the following Program Functions:

- Increased visibility at intersections by tapping the horn-15 second aggressive pattern change with splashes of white, wall of white and horn tone, to clear intersections to improve safety, after 15 seconds warning pattern reverts back to last position
- All Blue Light Heads to Flicker Cruise by Axillary button
- Automatic Siren Cut and slide 1 traffic stop pattern, when vehicle is in park position
- Each door must have timed off/on delay of 8 seconds when officer exits vehicle or opens rear doors during interviews to prevent vision loss
- Automated Arrow control, when vehicle is in Drive, Arrow is disabled and last warning pattern is activated, when in Park, arrow resumes
- Increased visibility when braking when in slide position 2 or 3 (Red Light heads activate to signal following officers)
- Increased safety during high risk stops-Blitz Tactical Feature to be activated by Factory Horn and/or side switch (aggressive flash pattern with splashes of white and dual tone siren horn/piercer tones, 8 seconds, then full scene white lights forward facing, all side and rear lighting is off with exception of Rear Drivers Side Red Steady burn task light in cruise Mode.- Vehicle in Park with take downs on, slide position 1 for Blitz to function
- Ignition security activation when officer takes keys out of ignition to keep engine running, lights and siren are activated when someone depresses brake while trying to steal the vehicle. This feature must be included at no-cost. The gun lock will also be disabled after the ISS activates.
- 180 degree Flood/Scene lighting by turning on your high beams when the takedowns are on-gives the officer an advantage to see interior of vehicle without having to reach into press an auxiliary button
- Increased white light for reverse--rear facing light heads to activate solid white when vehicle is in reverse
- Increased red light for braking-rear facing light heads to activate solid red when brake is depressed
- Increased visibility by holding the horn to produce a front wall of white light to clear intersections, activated in slide position 3
- Individual timers to increase battery life and monitor power usage--eliminate extra batteries, all vehicle components are to be timed and load shed based on agency requirements
- Indicator beep will start beeping while service engine light is illuminated and the engine is running, causing officer to bring the vehicle in for fleet to determine cause of service engine warning.
- Must have up to 24 available matrices for expansion beyond what is listed above

NOTE: Due to system integrity and reduction of failure points, ALL programs and Pattern Modes/Matrixes are to be achieved without the use of external relays or diodes.

2. (2) MNSTAR SOLUTIONS PD-B616- 12 position split fused distribution block. This product must have 6 constant power, 6 switched power, and 12 ground connections.
3. (1) Setina BK2044TAH15- Push bumper with factory installed SoundOffSignal nFORCE blue and white color LED lights. 2 mounted on the front and 2 on the sides. This product must be able to sync with light bar.
4. (1) SoundOff Signal ENFLBQE25864- 54" nFORCE LED light bar (ENFLB) w/ take downs & alleys- clear lenses with blue/white to front w/scene, blue/amber rear for traffic director / 12 LED inboard & 24 LED corners. This product must have multiple driver control boards for reliability.
5. (4) SoundOff Signal EMPS2QMSSRBW-W- mPower 4" fascia light quick mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, white housing, 18 LED, tricolor-red/blue/white. This product must have Dow Corning ClearDuty silicone molded one piece housing and optic design for longer life and to resist gravel pitting, scratching, or cracking.

6. (1) SoundOff Signal ECVDMLTST4G- interior cargo/LED dome light, flush mount w/ grey base, 6" x 3", white LEDs.
7. (1) Havis C-VS-2000-TAH-2- console for 2015-2019 Tahoe 12.5" wide x 20" long.
8. (1) Havis C-CUP2-I-A06- dual internal angled cup holder.
9. (2) Havis C-ARM-102- console arm rest.
10. (1) Havis C-HDM-204- side mount computer stand with telescoping pole.
11. (1) Havis C-HDM-402- safety lock assembly.
12. (1) Havis C-HDM-305- sliding top 9-15 in.
13. (1) Havis C-MD-204 -low profile tilt swivel motion device.
14. (1) Setina GK11191B1SHKKKSSCA- Blac-Rac universal partition mount rifle and shotgun lock.
15. (1) Setina PK0602TAH15- recessed panel front partition with polycarbonate, polycarbonate sliding window, and metal backing.
16. (1) Setina WK0514TAH15- vertical steel window bars.
17. (1) Setina DK0100TAH15- plastic door panel covers.
18. (1) Setina QK0566TAH15- Plastic seat replacement, seat belts, and polycarbonate rear partition combo.
19. (1) Amphenol 031-2367-RFX- TNC RG58 connector or equivalent.
20. (1) MaxRad NM058U-NC- brass *W* hole permanent mount connector with 17ft. RG58 cable or equivalent.
21. (2) SoundOff Signal EMPS2QMS4E-W- mPower 4" fascia light quick-mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, white housing, 12 LED, dual color-blue/white. This product must have Dow Corning ClearDuty silicone molded one piece housing and optic design for longer life and to resist gravel pitting, scratching, or cracking.

Installation details:

Item #1- SoundOff Signal ENGKTGD002-MPD-P- shall be installed as per manufacturer's specifications using factory supplied hardware. The system controller and harness kit will be mounted inside the Havis center console. The remote nodes and harnesses will be mounted at locations to be determined. The light and siren controls will be mounted on the Havis console. The siren speakers will be mounted to the push bumper using the supplied brackets.

Item #2- MNSTAR SOLUTIONS PD-B616- shall be installed per manufacturer's specifications inside the Havis console. It will protect as well as provide power for all aftermarket equipment. Wiring connections for this item will be connected as follows:

Constant Power: Connected to constant power on front factory upfitter harness.
 Ignition Power: Will be provided and managed by the bluePRINT system.
 Ground: Connected to ground on front factory upfitter harness.

- Item #3- Setina BK2044TAH15- shall be installed as per manufacturer's specifications to the front bumper.
- Item #4- SoundOff Signal ENFLBQE25864- shall be installed as per manufacturer's specifications to the rooftop of the Tahoe aligned with the "B" pillar. All wiring from the light bar will be protected by a grommet when passing through the roof and sealed with silicone.
- Item #5- SoundOff Signal EMPS2QMS5RBW-W- shall be installed as per manufacturer's specifications. One set will be installed on the panel above the taillights and aligned vertically. The other set will be installed on the panel beside the tag and aligned horizontally.
- Item# 6- SoundOff Signal ECVDMILTST4G- shall be installed as per manufacturer's specifications and centered on the inside of the rear hatch.
- Item #7-9- Havis C-VS-2000-TAH-2, Havis C-CUP2-I-A06, & Havis C-ARM-102- shall be installed as per manufacturer's specifications. The Havis console will be installed between the front two seats. The cup holders and arm rests will be installed on the Havis console.
- Item #10-13- Havis C-HDM-204, Havis C-HDM-402, Havis C-HDM-305, & Havis C-MD-204- shall be installed as per manufacturer's specifications. The side mount computer stand will mount to the inside of the Havis console. The telescoping pole will come through the premade hole in the top of the Havis console. The safety lock assembly will mount to the telescoping pole. The sliding top will mount to the safety lock assembly. The low profile tilt swivel motion device will mount to the sliding top.
- Item #14-18- Setina GK11191B1SHKKKSSCA, Setina PK0602TAH15, Setina WK0514TAH15, Setina DK0100TAH15, & Setina QK0566TAH15- shall all be installed as per manufacturer's specifications.
- Item #19- Amphenol 031-2367-RFX- shall be installed as per manufacturer's specifications. It will be crimped onto the end of the RG 58 cable.
- Item #20- MaxRad NM058U-NC- shall be installed as per manufacturer's specifications. It will run from a permanent mount in the center of the roof and behind the light bar to the Havis center console where it will terminate with the Amphenol connector and be connected to the Harris MRU.
- Item# 21- SoundOffSignal EMPS2QMS4E-W- shall be installed as per manufacturer's specifications. They will be installed on the front driver and passenger fenders and aligned horizontally.

Additional Requirements:

Mobile Radio Wiring- the wiring harnesses for this item will be connected as follows:

Power: Connected to constant power on the MNSTAR fused distribution block.
Ignition: Connected to ignition power on the MNSTAR fused distribution block.
Ground: Connected to ground on the MNSTAR fused distribution block.

There are 2 power wiring harnesses, 1 for the head unit (display) and 1 for the MRU unit (brain). The head unit will be mounted on the Havis console using the specific Havis bracket. The MRU will be mounted inside the Havis console with a specific Harris bracket. A 3pin data cable will run between these 2 units. A RG-58 coaxial antenna cable will be roof mounted using a Harris mobile radio antenna and terminated with a TNC connector at the location of the MRU. A radio speaker will be mounted with the supplied mounting bracket and hardware to the rear of the Havis console.

Factory Flashers-The factory flashers are factory installed. There will be an activation wire in the factory upfitter wiring harness that will be extended and connected to the SoundOff control unit so as to activate when programmed to.

The installer will furnish to the City of Mobile a full diagram listing where the wire runs are located and listing what wiring scheme is being used (EX: Red=Constant Power, Yellow=Ignition Power, Black=Ground, Pink=Trigger, Blue and Brown=Siren, ETC).

A warranty and service agreement will be made detailing what service will be provided and for what length of time.

All wiring shall be protected by a raceway, channel, loom, or conduit. Any wiring outside of the passenger compartment shall be loomed. Any connections made outside of the passenger compartment shall be soldered and heat shrunk, or at minimum a heat shrink type connector shall be used. The connections on any wire 10 gauge or larger in diameter must have a mechanical connection (uninsulated crimp), as well as be soldered and heat shrunk regardless of location.

All lights will be synchronized together.

The installer is responsible for providing and installing all wiring, shop supplies, and any equipment not specifically listed as being provided by the City of Mobile; as necessary for a professional installation of the above listed items.

All installations must be professional, neat in appearance, and performed by one organization. All manners of installation and wiring must be uniform and appropriate for the equipment being used as well as comply with industry standards.

All wires will be routed behind trim and floor covering and positioned as to not interfere with other components.

PATROL BUILD

2019 SCHEDULE C

The Patrol Build Tahoe shall consist of the newest year model full size Chevrolet Tahoe PPV with 2-wheel drive. It shall include standard specifications and be white in color. It shall include the following factory options:

6J7 Flasher, 6J3 Grille Wiring, 6J4 Horn Siren Circuit Wiring, 7X6 Spotlight, 6C7 Interior Dome Lamp, 9U3 20% Front Seat Delete, and fitted front and rear floor mats.

The City will accept no substitutions for the following equipment. The following emergency equipment is computer controlled and/or must be designed to be compatible. The following products shall be provided and installed on the above vehicle:

1. (1) SoundOff Signal ENGKTGD002-MPD-P -This is a kit which consists of the following:
 - A. (1) SoundOff Signal ENGCC01243- bluePRINT system controller.
 - B. (1) SoundOffSignal ENGHNK01- bluePRINT central controller harness kit.
 - C. (2)SoundOffSignal ENGHNK02 –bluePRINT remote node harness kit.
 - D. (1) SoundOffSignal ENGSCR7152- bluePRINT 400 series console mount siren control.
 - E. (2) SoundOffSignal ENGND04101- bluePRINT remote node.
 - F. (2) SoundOffSignal ETSS100N -IOON series composite speaker w/ universal bracket.
 - G. (1) SoundOffSignal ENGLNK004- bluePRINT Link Module.

* bluePRINT® Central Controller - Communication Hub for use within the EV Control System - 1 Active High Ignition Input, 24 Outputs (100 Amps max) ◦ Must use PC configuration software to manage the relationship between input and outputs to create vehicle behaviors to improve officer and public safety

- Must be able to synchronize secondary lights to the light bar
- System must use Visual Diagnostic Indicators and Reliability Records for Each Output:
- Must be able to test and diagnose faults which may include over-current, over-temperature, over-voltage, under-voltage, and open-load.
- Logs are also recorded for the number of times the fault has occurred since last reset to aid in the diagnosis of intermittent connections.
- Each output has to have the ability to be individually timed after ignition is shut down; this eliminates the need for an external timer
- Each output has to have the ability to be programmed to load shed when the battery reaches certain programmed voltage levels
- Must have ignition security included in central controller-warning lights and siren activates when someone tries to steal the vehicle.

Input Voltage: 10-16Vdc (Negative Ground)

Outputs: Up to 82 programmable outputs

Inputs: Up to 40 discretely wired inputs+ 24 CAN-BUS inputs

The Central Controller processor stores and interprets the input and output configuration from the software application and control outputs accordingly as well as monitors outputs for fault conditions. The Central Controller is fully software configurable via PC Software app through USB connection. The central controller is the communication hub for other system components within the EV Control System allowing for:

- A communication port for light bar
- A communication port for 14 button control panel
- A communication port for other control system devices
- Up to 5 remote nodes
- Input node
- Up to 2 200R siren amplifiers or (1) 400 series siren amplifier

The central controller allows for 24 outputs for connection to vehicle devices (100 Amps max) and has:

- (4) 10-amp fused outputs- constant power
- (8) 10-amp solid state switchable outputs
- (12) 5-amp solid state switchable outputs. Each output to have a status LED to show if output is active

Must have a diagnostic LED to aid in diagnosing system issues

Input Voltage: 10-16Vdc (Negative Ground) Dimensions: 7" x 6.25" x 1"

IGN ON: Standby Current: 140mA Operating Temp: -40°C to+ 65°C

IGN OFF: Sleep Current: 0.34 MICROAMPS

Must have the following Program Functions:

- Increased visibility at intersections by tapping the horn-15 second aggressive pattern change with splashes of white, wall of white and horn tone, to clear intersections to improve safety, after 15 seconds warning pattern reverts back to last position
- All Blue Light Heads to Flicker Cruise by Axillary button
- Automatic Siren Cut and slide 1 traffic stop pattern, when vehicle is in park position
- Each door must have timed off/on delay of 8 seconds when officer exits vehicle or opens rear doors during interviews to prevent vision loss
- Automated Arrow control, when vehicle is in Drive, Arrow is disabled and last warning pattern is activated, when in Park, arrow resumes
- Increased visibility when braking when in slide position 2 or 3 (Red Light heads activate to signal following officers)
- Increased safety during high risk stops-Blitz Tactical Feature to be activated by Factory Horn and/or side switch (aggressive flash pattern with splashes of white and dual tone siren horn/piercer tones, 8 seconds, then full scene white lights forward facing, all side and rear lighting is off with exception of Rear Drivers Side Red Steady burn task light in cruise Mode. – Vehicle in Park with take downs on, slide position 1 for Blitz to function
- Ignition security activation when officer takes keys out of ignition to keep engine running, lights and siren are activated when someone depresses brake while trying to steal the vehicle. This feature must be included at no-cost. The gun lock will also be disabled after the ISS activates.
- 180 degree Flood/Scene lighting by turning on your high beams when the takedowns are on-gives the officer an advantage to see interior of vehicle without having to reach into press an auxiliary button
- Increased white light for reverse-rear facing light heads to activate solid white when vehicle is in reverse
- Increased red light for braking-rear facing light heads to activate solid red when brake is depressed
- Increased visibility by holding the horn to produce a front wall of white light to clear intersections, activated in slide position 3
- Individual timers to increase battery life and monitor power usage-eliminate extra batteries, all vehicle components are to be timed and load shed based on agency requirements
- Indicator beep will start beeping while service engine light is illuminated and the engine is running, causing officer to bring the vehicle in for fleet to determine cause of service engine warning.
- Must have up to 24 available matrices for expansion beyond what is listed above

NOTE: Due to system integrity and reduction of failure points, ALL programs and Pattern Modes/Matrices are to be achieved without the use of external relays or diodes.

2. (2) MNSTAR SOLUTIONS PD-B616- 12 position split fused distribution block. This product must have 6 constant power, 6 switched power, and 12 ground connections.
3. (1) Setina BK2044TAH15- Push bumper with factory installed SoundOffSignal nFORCE blue and white color LED lights. 2 mounted on the front and 2 on the sides. This product must be able to sync with light bar.
4. (1) SoundOff Signal ENFLBQE25864- 54" nFORCE LED light bar (ENFLB) w/ take downs & alleys- clear lenses with blue/white to front w/scene, blue/amber rear for traffic director / 12 LED inboard & 24 LED corners. This product must have multiple driver control boards for reliability.
5. (8) SoundOff Signal EMPS2QMSSBA W- mPower 4" fascia light quick mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, black housing, 18 LED, tricolor – blue/amber/white. This product must have Dow Corning ClearDuty silicone molded one piece housing and optic design for longer life and to resist gravel pitting, scratching, or cracking.

6. (4) SoundOff Signal EMPS2QMS5RBW-W- mPower 4" fascia light quick mount, 18" hard wire w/ sync option, SAE class 1 & CA Title 13 compliant, 9-32 Vdc, white housing, 18 LED, tricolor-red/blue/white. This product must have Dow Corning ClearDuty silicone molded one piece housing and optic design for longer life and to resist gravel pitting, scratching, or cracking.
7. (1) SoundOff Signal ECVDMLTST4G- interior cargo/LED dome light, flush mount w/ grey base, 6" x 3", white LEDs.
8. (1) Havis C-VS-2000-TAH-2- console for 2015-2019 Tahoe 12.5" wide x 20" long.
9. (1) Havis C-CUP2-I-A06- dual internal angled cup holder.
10. (2) Havis C-ARM-102- console arm rest.
11. (1) Havis C-HDM-204- side mount computer stand with telescoping pole.
12. (1) Havis C-HDM-402 -safety lock assembly.
13. (1) Havis C-HDM-305- sliding top 9-15 in.
14. (1) Havis C-MD-204 -low profile tilt swivel motion device.
15. (1) Setina GK1119181SHKKKSSCA- Blac-Rac universal partition mount rifle and shotgun lock.
16. (1) Setina PK0602TAH15- recessed panel front partition with polycarbonate, polycarbonate sliding window, and metal backing.
17. (1) Setina WK0514TAH15- vertical steel window bars.
18. (1) Setina DK0100TAH15- plastic door • panel covers.
19. (1) Setina QK0566TAH15- Plastic seat replacement, seat belts, and polycarbonate rear partition combo.
20. (1) Amphenol 031-2367-RFX- TNC RG58 connector or equivalent.
21. (1) MaxRad NM058U-NC- brass%" hole permanent mount connector with 17ft. RG58 cable or equivalent.

Installation details:

Item #1- SoundOff Signal ENGKTGD002-MPD-P- shall be installed as per manufacturer's specifications using factory supplied hardware. The system controller and harness kit will be mounted inside the Havis center console. The remote nodes and harnesses will be mounted at locations to be determined. The light and siren controls will be mounted on the Havis console. The siren speakers will be mounted to the push bumper using the supplied brackets.

Item #2- MNSTAR SOLUTIONS PD-B616- shall be installed per manufacturer's specifications inside the Havis console. It will protect as well as provide power for all aftermarket equipment. Wiring connections for this item will be connected as follows:

Constant Power: Connected to constant power on front factory upfitter harness.
 Ignition Power: Will be provided and managed by the bluePRINT system.
 Ground: Connected to ground on front factory upfitter harness.

Item #3- Setina BK2044TAH15- shall be installed as per manufacturer's specifications to the front bumper.

Item #4- SoundOff Signal ENFLBQE25864- shall be installed as per manufacturer's specifications to the rooftop of the Tahoe aligned with the "B" pillar. All wiring from the light bar will be protected by a grommet when passing through the roof and sealed with silicone.

Item# 5 – SoundOff Signal EMPS2QMS5BA W- shall be installed as per manufacturer's specifications to the running boards with 4 on eaGh side evenl)J spaced.

Item #6 – SoundOffSignal EMPS2QMS5RBW- W –shall be installed as per manufacturer's specifications. One set will be installed on the panel above the taillights and aligned vertically. The other set will be installed on the panel beside the tag and aligned horizontally.

Item# 7- SoundOff Signal ECVDMLTST4G- shall be installed as per manufacturer's specifications and centered on the inside of the rear hatch.

Item #8-10- Havis C-VS-2000-TAH-2, Havis C-CUP2-I.:Ao6, & Havis C-ARM-102- shall be installed as per manufacturer's specifications. The Havis console will be installed between the front two seats. The cup holders and arm rests will be installed on the Havis console.

Item #11-14- Havis C-HDM-204, Havis C-HDM-402, Havis C-HDM-305, & Havis C-MD-204- shall be installed as per manufacturer's specifications. The side mount computer stand will mount to the inside of the Havis console. The telescoping pole will come through the pre-made hole in the top of the Havis console. The safety lock assembly will mount to the telescoping pole. The sliding top will mount to the safety lock assembly. The low profile tilt swivel motion device will mount to the sliding top.

Item #15-19- Setina GK11191B1SHKKKSSCA, Setina PK0602TAH15, Setina WK0514TAH15, Setina DK0100TAH15, & Setina QK0566TAH15- shall all be installed as per manufacturer's specifications.

Item #20- Amphenol 031-2367-RFX- shall be installed as per manufacturer's specifications. It will be crimped onto the end of the RG 58 cable.

Item #21- MaxRad NM058U-NC- shall be installed as per manufacturer's specifications. It will run from a permanent mount in the center of the roof and behind the light bar to the Havis center console where it will terminate with the Amphenol connector and be connected to the Harris MRU.

Additional Requirements:

Mobile Radio Wiring- the wiring harnesses for this item will be connected as follows:

Power: Connected to constant power on the MNSTAR fused distribution block.
Ignition: Connected to ignition power on the MNSTAR fused distribution block.
Ground: Connected to ground on the MNSTAR fused distribution block.

The City Will Provide Harris Wiring Harnesses as Needed

There are 2 power wiring harnesses, 1 for the head unit (display) and 1 for the MRU unit (brain). The head unit will be mounted on the Havis console using the specific Havis bracket. The MRU will be mounted inside the Havis console with a specific Harris bracket. A 3pin data cable will run between these 2 units. A RG-58 coaxial antenna cable will be roof mounted using a Harris mobile radio antenna and terminated with a TNC connector at the location of the MRU. A radio speaker will be mounted with the supplied mounting bracket and hardware to the rear of the Havis console.

Factory Flashers -The factory flashers are factory installed. There will be an activation wire in the factory upfitter wiring harness that will be extended and connected to the SoundOff control unit so as to activate when programmed to.

The installer will furnish to the City of Mobile a full diagram listing where the wire runs are located and listing what wiring scheme is being used (EX: Red=Constant Power, Yellow=Ignition Power, Black=Ground, Pink=Trigger, Blue and Brown=Siren, ETC).

A warranty and service agreement will be made detailing what service will be provided and for what length of time.

All wiring shall be protected by a raceway, channel, loom, or conduit. Any wiring outside of the passenger compartment shall be loomed. Any connections made outside of the passenger compartment shall be soldered and heat shrunk, or at minimum a heat shrink type connector shall be used. The connections on any wire 10 gauge or larger in diameter must have a mechanical connection (uninsulated crimp), as well as be soldered and heat shrunk regardless of location.

All lights will be synchronized together.

The installer is responsible for providing and installing all wiring, shop supplies, and any equipment not specifically listed as being provided by the City of Mobile; as necessary for a professional installation of the above listed items.

All installations must be professional, neat in appearance, and performed by one organization. All manners of installation and wiring must be uniform and appropriate for the equipment being used as well as comply with industry standards.

All wires will be routed behind trim and floor covering and positioned as to not interfere with other components.

**VENDORS WHO HAVE APPROACHED THE CITY TO DO UPFITTING OF EMERGENCY
VEHICLES:**

(There are many more, these have approached the city.)

CAP Fleet Upfitters

Defender Supply

Emergency Equipment Professionals

Emergency Lighting by Haynes

Fleet Safety Supply

Galls

Hurricane Electronic Inc

North American Fire Equipment

Patrol Upfitters

Sharp Communications

Team One Communications

Truck Equipment Sales

**THESE ARE VENDORS WHO SELL SOUND OFF EMERGENCY LIGHTING AND
WARNING PRODUCTS:**

(These are some we are aware of. There are many more not listed.)

Barney 39

Chief Supply

Dana Safety

Donohoe Chevrolet

Emergency Lighting by Haynes

Fleet Safety Supply

Galls

Hurricane Electronics

Integrated Communications

Mobile Communication of Dekalb

North American Fire Equipment Company

On Duty Depot Inc

Patrol Upfitters

Roper Supply Company

Sansom Equipment

Team One Communications

The Southern Connection Police Supply

Truckers Lighthouse

Vehicle Parts HQ 911

Williams Communication

Wireless Communication Cookeville



ALABAMA

PURCHASING DEPARTMENT

Potential bidders are responsible to check this site for any **ADDENDUMS** that are issued. It is the responsibility of the **BIDDER** to check for, download, and include with their **BID RESPONSE** any and all **ADDENDUMS** that are issued for a specific **BID** published by the City of Mobile. Failure to download and include **ADDENDUMS** in your **BID RESPONSE** may cause your bid to be rejected.

This is a sealed bid. Any responses faxed or e-mailed will be rejected.

This is a sealed bid. Any response must be submitted in a sealed envelope with the bid number and bid opening date on the outside of the envelope.

Any response that arrives improperly marked or with no bid number and opening date on the outside of the delivery or express package and opened in error will be rejected and not considered.

It is the responsibility of the bidder to insure that their bid response is delivered to and received in the Purchasing Department before the date and time of the bid opening.

Be sure to read the Terms and Conditions. All bids are F.O.B. Destination unless otherwise stated.

Be sure to sign your bid!

Package/Bid Delivery Address:
Purchasing Department
205 Government St. Room S408
Mobile, AL 36644

(Request First Delivery)