RESOLUTION 19-32

A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA, AUTHORIZING A BUDGET AMENDMENT FOR ADDITIONAL FUNDS NECESSARY TO SUPPLEMENT THE PROCUREMENT OF NEW VEHICLES, EQUIPMENT AND OFFICERS FOR THE POLICE DEPARTMENT; AND PROVIDING AN IMMEDIATELY EFFECTIVE DATE.

WHEREAS, on October 25, 2018, the City approved Budget Amendment #2, providing funds for vehicle and equipment for new officers authorized after Hurricane Michael; and

WHEREAS, that budget amendment estimated the cost for these expenditures to be $100,800, but the actual amount needed is $124,293, requiring a $24,000 budget amendment to fully fund this expenditure; and

WHEREAS, a budget amendment is also necessary to fund the purchase of mobile radios for new and existing officers; and

WHEREAS, police impact fees are available to fund these expenditures.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Panama City Beach that the following budget amendment (#7) is adopted for the City of Panama City Beach, Florida, for the fiscal year beginning October 1, 2018, and ending September 30, 2019, as shown in and in accordance with the attached and incorporated Exhibit A, to reflect the expenditure of funds for the purposes stated herein.

THIS RESOLUTION shall be effective immediately upon passage.

PASSED in regular session this 13th day of December, 2018.

CITY OF PANAMACITY BEACH

By [Signature]
MIKE THOMAS, MAYOR

ATTEST:

[Signature]
JO SMITH, CITY CLERK

Resolution 19-32
**CITY OF PANAMA CITY BEACH**

**BUDGET TRANSFER FORM BF-10**

<table>
<thead>
<tr>
<th>FUND</th>
<th>GENERAL ACCOUNT NUMBER</th>
<th>ACCOUNT DESCRIPTION</th>
<th>APPROVED BUDGET</th>
<th>BUDGET ADJUSTMENT</th>
<th>NEW BUDGET BALANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO</td>
<td>001-2101-521.60-10</td>
<td>Capital Outlay &lt; $5,000</td>
<td>103,850.00</td>
<td>41,700.00</td>
<td>145,550.00</td>
</tr>
<tr>
<td>TO</td>
<td>001-2101-521.64-20</td>
<td>Machinery and Equipment</td>
<td>775,800.00</td>
<td>24,000.00</td>
<td>799,800.00</td>
</tr>
<tr>
<td>FROM</td>
<td>001-8100-999.95-00</td>
<td>Reserves Restricted</td>
<td>1,517,920.00</td>
<td>(65,700.00)</td>
<td>1,452,220.00</td>
</tr>
</tbody>
</table>

Check Adjustment Totals: 2,397,570.00 0.00 2,397,570.00

**BRIEF JUSTIFICATION FOR BUDGET ADJUSTMENT:**

To appropriate funds in the FY 2019 budget as follows - 1) additional funds for vehicles and related emergency lighting for (3) new patrol officers authorized after Hurricane Michael; to be funded with police impact fees; budget amendment #2 included $100,800 as estimate for these expenditures and the actual amount needed is $124,293 thus an additional $24,000 budget amendment is necessary and 2) radios to be funded with police impact fees as follows: (9) mobile radios at approximately $3,900 each - (4) for officers in original budget, (3) for officers added after Hurricane Michael and (2) for new officers in prior year not previously purchased PLUS (2) portable radios for new officers in prior year not previously purchased at approximately $3,300 each.

**ROUTING FOR APPROVAL**

_________________________ DEPARTMENT HEAD ____________ DATE ______________________ CITY MANAGER ____________ DATE

_________________________ FINANCE DIREC'OR ____________ DATE
1. **DEPARTMENT MAKING REQUEST/NAME:**
Panama City Beach Police Department

2. **MEETING DATE:**
December 13, 2018

3. **REQUESTED MOTION/ACTION:**
We respectfully request the Council's approval for the purchase of nine (9) Motorola APX6500 radios and nine (9) Motorola APX6000Li radios at a cost of $64,570.50 from Motorola Solutions, Inc.

4. **AGENDA**

<table>
<thead>
<tr>
<th>PRESENTATION</th>
<th>PUBLIC HEARING</th>
<th>CONSENT</th>
<th>REGULAR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. **IS THIS ITEM BUDGETED (IF APPLICABLE)?**
   - [ ] Yes
   - [x] No
   - [ ] N/A

   **BUDGET AMENDMENT OR N/A**

   **DETAILED BUDGET AMENDMENT ATTACHED**
   - [ ] Yes
   - [x] No
   - [ ] N/A

6. **BACKGROUND: (WHY IS THE ACTION NECESSARY, WHAT GOAL WILL BE ACHIEVED)**
We respectfully request the Council's approval to purchase nine (9) Motorola APX6500 radios and nine (9) Motorola APX6000Li radios from Motorola Solutions, Inc. at a cost of $64,570.50. This is nine (9) mobile radios and nine (9) portable radios which will help ensure communications for new Officers and funded through impact fees.
Portable/Mobile Radio Purchase Request

On October 2, 2018, I opened bids for six (6) mobile radios and six (6) portable radios. The Bid Notice was bid specific (Motorola APX6500/APX6000Li 700/800 P25 Compliant). We received one (1) qualified bid from Motorola Solutions, Inc. and one (1) bid from BK Technologies which did not meet the requirements of the bid request. I am requesting we utilize the qualified bid from Motorola Solutions, Inc. for the radio purchase.

Captain Wayne Maddox
Patrol Division Commander

"Dedicated to Excellence"
Bid Notice for Police Mobile and Portable Radios

The City of Panama City Beach hereby solicits sealed bids for the following equipment:

- Six (6) Motorola APX6500 700/800 P25 Compliant “mobile” radios (for police use) with the following requirements:
  - Any and all P25 trunking needs, including software
  - Astro Digital CAI Operation
  - Smartzone Operation APX6500
  - APX Control Head
  - Dash Mount
  - 3 DB Low Profile Antenna
  - Palm Microphone
  - Increased Audio Power 13W
  - Programming fees
  - 3 year extended Warranty
  - Shipping

  $3,882.50 / $23,295.00 Programming Included Installation Responsibility of Customer

- Six (6) Motorola APX6000 Li 700/800 P25 Compliant “portable” radios (for police use) with the following requirements:
  - Any and all P25 trunking needs, including software
  - Submersible
  - Charger
  - External lapel microphone (24 inch)
  - Available port for earpiece, either on lapel or radio
  - Backlight
  - Rugged water resistant / immersion housing
  - Programming fees
  - Extra battery
  - 3 year extended warranty
  - Shipping

  $3,292 / $19,752 Programming Included

Please include a price for individual units in case the funding becomes limited.

Bids must be sealed and will be received until 12:00 p.m. (noon) Central Time, October 2, 2018 at the City of Panama Beach Police Department, Attn: Captain Wayne Maddox, 17115 Panama City Beach Parkway, Panama City Beach, Florida, 32413, and will be opened and read publicly immediately thereafter.

The City reserves the right to reject any and all bids and to waive any formality in bids received. All bidders shall comply with all applicable State and local laws concerning licensing, registration, and regulations of businesses in the State of Florida.

All bids shall be firm and for a period of 12 months after opening.

Advertisement Dates: September 18, 2018 begins
THE RIGHT PERFORMER AT THE RIGHT PRICE

APX™ 6000Li P25 PORTABLE RADIO

Wherever the mission takes you, you want a radio that gives you everything you need at a price you can afford, without sacrificing quality, safety or response time. Whether it’s a lightweight design or a specific set of features, you expect performance that is second to none.

The APX 6000Li P25 Phase 2 capable portable radio delivers all that you want at a price that fits your budget. Pay only for the functionality you need at the level you can afford, without giving up the exceptional quality, design excellence and reliability you expect from APX.

SOPHISTICATED YET SIMPLY INTUITIVE
Everything about the APX 6000Li was designed to help responders do their jobs more effectively and safely. A unique dual microphone design locates the talker while cancelling ambient noise. The innovative T-grip shape provides a secure grip and better control and the high-contrast color display is easy to read in different lighting scenarios.

IMPROVE SAFETY WITH SMARTER TECHNOLOGY
The APX 6000Li is the affordable performer that gives you smart features like P25 Phase 2 technology for twice the voice capacity. Not only is it backwards and forwards compatible with all Motorola mission critical radio systems, it supports applications like Mission Critical Wireless and GPS location tracking to help you locate your people, manage assets and improve personnel safety.

SMALL SIZE, BIG TECHNOLOGY, LOW COST
- Single band, technology-rich solution
- Pay for only the features you need
- Three lightweight models:
  - Ideal for firefighters, law enforcement, military and more
- P25 Phase 2 capable for twice the voice capacity
- Backwards and forwards compatible with all Motorola mission critical radio systems
- Mission Critical Wireless and GPS location tracking for greater safety
FEATURES AND BENEFITS:
- Available in 700/800 MHz, VHF, UHF A1, and UHF A2 bands
- trunking standards supported
  - Clear or digital encrypted ASTRO®25 Trunked Operation
  - SmartZone®, SmartZone Omnilink®, SmartNet®
  - Analog MDC-1200 and Digital APCO P25 Conventional
  - System Configurations
- Narrow and wide bandwidth digital receiver (6.25 kHz equivalent / 25/20/12.5 kHz)*
- Embedded digital signaling (ASTRO & ASTRO 25)
- Available in 3 models
- Integrated GPS capable
- Intelligent Lighting
- Radio Profiles
- Unified Call List (Models 2.5 and 3.5 only)
- User programmable voice announcement
- Meets Applicable MIL-STD-810C, D, E, F, and G
- IP67 standard (submersible 1 meter, 30 minutes)**
- Custom recess label areas

Superior Audio Features:
- 0.5 W high audio speaker
- Dual microphones
- 2-mic noise canceling technology
- Utilizes Windows XP, Vista and Windows 7 Customer Programming Software (CPS)
- Supports USB communications
- Built-in FLASHprint™ support
- Full portfolio of accessories including IMPRES batteries, chargers and audio devices

OPTIONAL FEATURES:
- Mission Critical Wireless™
- Single Algorithm Encryption
- Programming Over Project 25
- Tactical OTAR
- Text Messaging
- Man Down

*For FCC Narrowbanding rules, new products (APX6000Li UHF1, UHF2) submitted for FCC certification after January 1, 2011 are expected to be granted certification at 250kHz for United States - State & Local Markets only.
** Radio meets industry standards (IP67) for immersion.
*** Compatible with DT 70 and HSP and PAN DT Profiles

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Frequency Range/Bandsplit</th>
<th>700 MHz</th>
<th>733-770, 733-806 MHz</th>
<th>806-834, 851-877 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel Spacing</td>
<td>25/20/12.5 KHz</td>
<td>25/20/12.5 KHz</td>
<td>25/20/12.5 KHz</td>
<td>25/20/12.5 KHz</td>
<td>25/20/12.5 KHz</td>
<td>450/520 MHz</td>
</tr>
<tr>
<td>Maximum Frequency Separation</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td>Rated RF Output Power Adj</td>
<td>1-3 Watts Max</td>
<td>1-4 Watts Max</td>
<td>1-5 Watts Max</td>
<td>1-5 Watts Max</td>
<td>1-5 Watts Max</td>
<td>1-5 Watts Max</td>
</tr>
<tr>
<td>Frequency Stability 1°</td>
<td>±0.00010 %</td>
<td>±0.00010 %</td>
<td>±0.00010 %</td>
<td>±0.00010 %</td>
<td>±0.00010 %</td>
<td>±0.00010 %</td>
</tr>
<tr>
<td>Modulation Limiting 1°</td>
<td>±5 kHz / ±1 kHz</td>
<td>±5 kHz / ±2.5 kHz</td>
<td>±5 kHz / ±2.5 kHz</td>
<td>±5 kHz / ±2.5 kHz</td>
<td>±5 kHz / ±2.5 kHz</td>
<td>±5 kHz / ±4 kHz / ±2.5 kHz</td>
</tr>
<tr>
<td>Emissions (Conducted and Radiated)</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
</tr>
<tr>
<td>Audio Response 1°</td>
<td>+1, -3 dB</td>
<td>+1, -3 dB</td>
<td>+1, -3 dB</td>
<td>+1, -3 dB</td>
<td>+1, -3 dB</td>
<td>+1, -3 dB</td>
</tr>
<tr>
<td>Audio Distortion 1°</td>
<td>0.60 %</td>
<td>0.50 %</td>
<td>0.60 %</td>
<td>0.50 %</td>
<td>0.60 %</td>
<td>0.50 %</td>
</tr>
</tbody>
</table>

BATTERIES FOR APX 6000:

<table>
<thead>
<tr>
<th>Battery Capacity / Type</th>
<th>Dimensions (Hz x W x D)</th>
<th>Weight</th>
<th>Battery Part Number</th>
<th>Battery Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li-ion IMPRES 2150 mAh IP67**</td>
<td>3.35” x 2.34” x 1.46”</td>
<td>5 oz</td>
<td>PMNN4403</td>
<td>2150 mAh</td>
</tr>
<tr>
<td>Li-ion IMPRES 2900 mAh IP67</td>
<td>3.07” x 2.34” x 1.65”</td>
<td>6.5 oz</td>
<td>NNTN7038</td>
<td>2900 mAh</td>
</tr>
<tr>
<td>Li-ion IMPRES 4200 mAh IP67</td>
<td>5.67” x 2.34” x 1.85”</td>
<td>11.29 oz</td>
<td>NNTN7034</td>
<td>4200 mAh</td>
</tr>
<tr>
<td>Li-ion IMPRES 4100 mAh FM IP67</td>
<td>5.07” x 2.34” x 1.05”</td>
<td>11.29 oz</td>
<td>NNTN7033</td>
<td>4100 mAh</td>
</tr>
<tr>
<td>NiMH IMPRES 2100 mAh IP67</td>
<td>5.12” x 2.34” x 1.57”</td>
<td>11.82 oz</td>
<td>NNTN7037</td>
<td>2100 mAh</td>
</tr>
<tr>
<td>NiMH IMPRES 2000 mAh FM IP67</td>
<td>5.12” x 2.34” x 1.57”</td>
<td>11.82 oz</td>
<td>NNTN7036</td>
<td>2000 mAh</td>
</tr>
<tr>
<td>Li-ion IMPRES 2300 mAh FM IP67</td>
<td>3.35” x 2.34” x 1.65”</td>
<td>5.53 oz</td>
<td>NNTN9052</td>
<td>2300 mAh</td>
</tr>
</tbody>
</table>

**Standard shipping battery
## Receiver - Typical Performance Specifications

<table>
<thead>
<tr>
<th></th>
<th>700/880 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range/Bandspans</td>
<td>763-776 MHz</td>
<td>136-174 MHz</td>
<td>390-470 MHz</td>
<td>450-520 MHz</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
</tr>
<tr>
<td>Maximum Frequency Separation</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td>Audio Output Power at Rated^</td>
<td>500 mW</td>
<td>500 mW</td>
<td>500 mW</td>
<td>500 mW</td>
</tr>
<tr>
<td>Frequency Stability^ (~30°C to +60°C, +25°C Ref.)</td>
<td>±0.0001%</td>
<td>±0.0001%</td>
<td>±0.0001%</td>
<td>±0.0001%</td>
</tr>
<tr>
<td>Analog Sensitivity^</td>
<td>12 dB SINAD</td>
<td>0.250 µV</td>
<td>0.234 µV</td>
<td>0.234 µV</td>
</tr>
<tr>
<td></td>
<td>1% BER (800 MHz)</td>
<td>0.347 µV (0.333 µV)</td>
<td>0.307 µV</td>
<td>0.307 µV</td>
</tr>
<tr>
<td></td>
<td>5% BER</td>
<td>0.251 µV</td>
<td>0.207 µV</td>
<td>0.207 µV</td>
</tr>
<tr>
<td>Selectivity^</td>
<td>25 kHz channel</td>
<td>75.7 dB</td>
<td>78.3 dB</td>
<td>78.3 dB</td>
</tr>
<tr>
<td></td>
<td>12.5 kHz channel</td>
<td>67.5 dB</td>
<td>70 dB</td>
<td>68.1 dB</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>80 dB</td>
<td>80.5 dB</td>
<td>80.2 dB</td>
<td>80.2 dB</td>
</tr>
<tr>
<td>Spurious Rejection</td>
<td>76.6 dB</td>
<td>93.2 dB</td>
<td>80.3 dB</td>
<td>80.3 dB</td>
</tr>
<tr>
<td>FM Hum and Noise</td>
<td>25 kHz</td>
<td>-54 dB</td>
<td>-52.5 dB</td>
<td>-52.5 dB</td>
</tr>
<tr>
<td></td>
<td>12.5 kHz</td>
<td>-40 dB</td>
<td>-47.4 dB</td>
<td>-47.4 dB</td>
</tr>
<tr>
<td>Audio Distortion^</td>
<td>.9%</td>
<td>1.2%</td>
<td>0.91%</td>
<td>0.91%</td>
</tr>
</tbody>
</table>

## Radio Models

### MODEL 1.5
- Full bitmap monochromatic LCD top display
- 1 line text x 18 characters
- 1 line of icons
- No menu support
- Multi-color backlight
- none

### MODEL 2.5
- Top display plus:
- Full bitmap color LCD display
- 4 lines of text x 14 characters
- 2 lines of icons
- 1 menu line x 3 menus
- White backlight
- Backlight keypad
- 3 soft keys
- 4 direction Navigation key
- Home and Data buttons

### MODEL 3.5
- Top display plus:
- Full bitmap color LCD display
- 4 lines of text x 14 characters
- 2 lines of icons
- 1 menu line x 3 menus
- White backlight
- Backlight keypad
- 3 soft keys
- 4 direction navigation key
- 4-Q keypad
- Home and Data buttons

### Flash Memory
- 96 MB
- 1000 MB
- 1000 MB
- 64 MB
- 64 MB
- 64 MB

### Buttons & Switches
- Large PTT button
- Angled On/Off volume control
- Orange emergency button
- 16 position top-mounted rotary switch
- 2-position concentric switch
- Multi-color backlight
- 3-position toggle switch
- 3 programmable side buttons

### Transmitter Certification
- 700/800 MHz (764-889 MHz)
- 450-520 MHz
- 123-174 MHz
- VHF (136-174 MHz)
- UHF Range 1 (389-470 MHz)
- UHF Range 2 (450-520 MHz)
- FCC Emissions Designators
  - 11K0F3E, 16K0F3E, 8K10F4D, 8K10F3E, 8K10F1W, 28K0F1E

### Power Supply
- Power Supply
- One rechargeable 2150 mAh Li-ion Battery Standard (PMNN4403), with alternate battery options available.
### Portable Military Standards MIL-D-18, E, F & G

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>501.1 I</td>
<td>500.2 II</td>
<td>500.3 II</td>
<td>500.1 II</td>
</tr>
<tr>
<td>High Temperature</td>
<td>501.1 II</td>
<td>501.2 II</td>
<td>501.3 II/V</td>
<td>501.4 II/I</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>502.1 II</td>
<td>502.2 II</td>
<td>502.3 II/1</td>
<td>502.4 II/1</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>503.1 II</td>
<td>503.2 II</td>
<td>503.3 II</td>
<td>503.4 I</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>505.1 I</td>
<td>505.2 I</td>
<td>505.3 I</td>
<td>505.4 I</td>
</tr>
<tr>
<td>Humidity</td>
<td>506.1 I</td>
<td>506.2 I</td>
<td>506.3 I</td>
<td>506.4 I</td>
</tr>
<tr>
<td>Salt Fog</td>
<td>507.1 I</td>
<td>507.2 I</td>
<td>507.3 I</td>
<td>507.4 I</td>
</tr>
<tr>
<td>Blowing Dust</td>
<td>510.1 I</td>
<td>510.2 I</td>
<td>510.3 I</td>
<td>510.4 I</td>
</tr>
<tr>
<td>Blowing Sand</td>
<td>512.1 I</td>
<td>512.2 I</td>
<td>512.3 I</td>
<td>512.4 I</td>
</tr>
<tr>
<td>Immersion</td>
<td>514.2 I/V</td>
<td>514.3 I/V</td>
<td>514.4 I/V</td>
<td>514.5 I/V</td>
</tr>
<tr>
<td>Shock</td>
<td>516.2 I/II</td>
<td>516.3 I/IV</td>
<td>516.4 I/IV</td>
<td>516.5 I/IV</td>
</tr>
<tr>
<td>Shock (Drop)</td>
<td>516.2 I</td>
<td>516.2 I</td>
<td>516.4 I</td>
<td>516.5 I</td>
</tr>
</tbody>
</table>

### Dimensions of the Radios Without Battery

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>5.47</td>
<td>139</td>
</tr>
<tr>
<td>Width</td>
<td>2.39</td>
<td>60.7</td>
</tr>
<tr>
<td>Depth</td>
<td>1.40</td>
<td>35.6</td>
</tr>
<tr>
<td>Weight</td>
<td>2.98</td>
<td>75.7</td>
</tr>
<tr>
<td>Weight</td>
<td>1.58</td>
<td>40.1</td>
</tr>
<tr>
<td>Weight</td>
<td>1.24</td>
<td>31.5</td>
</tr>
</tbody>
</table>

### Encryption

- **Supported Encryption Algorithms**: AEP, AES, DES, DES-X, 3DES, OFB, CFB, CBC, CFB-X
- **Encryption Algorithm Capacity**: 1
- **Encryption Keys per Radio**: Module capable of storing 1024 keys. Programmable for 64
- **Common Key Identifiers (CKI) or 16 Physical Identifiers (PII)**: P25 CAI 300 mSec
- **Encryption Frame Re-sync Interval**: Key Lode
- **Synchronization**: Key Out: Counter Addressing
- **National Institute of Standards and Technology (NIST) Approved Random Number Generator**: QFB - Output Feedback
- **Vector Generator**: NIFL
- **Encryption Type**: Digital
- **Key Storage**: Tamper-protected volatile or non-volatile memory
- **Key Earsure**: Keyboard command and tamper detection
- **Standards**: FIPS 140-2 Level 3, FIPS 197

### GPS Specifications

- **Channels**: 12
- **Tracing Sensitivity**: −153 dBm
- **Accuracy**: <10 meters (95%)
- **Cold Start**: <60 seconds (95%)
- **Hot Start**: <10 seconds (95%)
- **Mode of Operation**: Autonomous (Non-Assisted) GPS

### Rugged Option Specifications

- **Leakage Immersion**: MIL-STD-810 C, D, E, and G
- **Method**: MIL-STD-810 F
- **Procedure**: MIL-STD-810 F

### Environmental Specifications

- **Operating Temperature**: −30°C / +60°C
- **Storage Temperature**: −40°C / +85°C
- **Humidity**: Per MIL-STD
- **ESD**: MIL-STD-810 E
- **Watertightness**: MIL-STD-810 F

### Notes:

1. Measured in the analog mode spec. 12A / 50 / 603, under nominal conditions
2. When used with an 8A exposure at 1.0 m Sine wave
3. Measured in analog mode spec. 12A / 50 / 603, under nominal conditions
4. Measured in analog mode spec. 12A / 50 / 603, under nominal conditions
5. Measured in analog mode spec. 12A / 50 / 603, under nominal conditions
6. Measured in analog mode spec. 12A / 50 / 603, under nominal conditions
7. Temperature limits are for radio specifications. Battery storage is recommended at 70%, ±5°C to ensure best performance.
8. Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.

For more information on the right performer at the right price, visit motorolasolutions.com/apx

Motorola Solutions, Inc.
East Algonquin Road Schaumburg, Illinois 60196, U.S.A.
800-367-2346 motorolasolutions.com

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SPECIFICATION SHEET

APX™ 6500

PROJECT 25 MOBILE RADIO

We've put exceptional flexibility into an advanced mission critical mobile radio that's easy to operate and intuitive to use. The APX 6500 P25 mobile allows users to choose from 4 control heads, mid and high power models and multiple installation configurations in an easy to install design. Innovative safety features such as GPS location tracking, intelligent lighting and one-touch controls help to keep first responders safer than ever before.

Focus on the task not the technology, with the hardworking mission critical mobile that turns mission critical into mission complete.

FLEXIBLE PLATFORM

- Interchangeable control heads that best support your operational needs - 02, 03, 05, 07
- Two transceiver options - high-power and mid-power
- Dual control head support offered on the 02, 05 and 07 control heads

EASY TO INSTALL AND EFFORTLESS TO USE

- Mid-power model fits into any existing XTL footprint, so you can reuse mounting holes and cables
- High-power model trunnion design lets you remove the radio without removing the cables
- 12 character RFID label helps you track information without uninstalling your radio

CUTTING-EDGE TECHNOLOGY AND ADVANCED FEATURES

- Project 25 Phase 2 technology provides twice the voice capacity
- Integrated GPS lets you locate and track an individual or vehicle
- Advanced features like intelligent lighting, radio profiles and text messaging improve communication and coordination
### APX™ 6500 SPECIFICATIONS

**FEATURES AND BENEFITS:**
- Available in 700/800 MHz, VHF, UHF R1 and UHF R2 bands
- Channels: 870*
- Trunking Standards supported:
  - Clear or digital encrypted Trunked Operation
  - Capable of SmartZone®, SmartZone Omnilink, SmartNet®
- Analog MDC-1200 and Digital APCO P25 Conventional System Configurations
- Narrow and wide bandwidth digital receiver (6.25kHz/12.5kHz/25kHz)
- Embedded digital signaling (ASTRO and ASTRO 25)
- Integrated GPS capable
- Integrated Encryption Hardware
- Intelligent lighting
- Radio profiles
- Unified Cell List

**OPTIONAL FEATURES:**
- Ships standard IPS4
- Utilizes Windows XP, Vista and Windows 7
- Customer Programming Software (CPS)
- Supports USB Communications
- Built in FLASHp™ support
- Re-use of most XTL™ accessories, plus new IMPRES accessories

**TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Frequency Range/Bandspits</th>
<th>700 MHz</th>
<th>600 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range/Bandspits</strong></td>
<td>764-796 MHz</td>
<td>800-840 MHz</td>
<td>136-174 MHz</td>
<td>380-470 MHz</td>
<td>450-520 MHz</td>
</tr>
<tr>
<td><strong>Channel Spacing</strong></td>
<td>25/50/12.5 kHz</td>
<td>25/50/12.5 kHz</td>
<td>25/50/12.5 kHz</td>
<td>25/50/12.5 kHz</td>
<td>25/50/12.5 kHz</td>
</tr>
<tr>
<td><strong>Frequency Stability</strong></td>
<td>±0.0015%</td>
<td>±0.0015%</td>
<td>±0.0007%</td>
<td>±0.0007%</td>
<td>±0.0002%</td>
</tr>
<tr>
<td><strong>Modulation Limiting</strong></td>
<td>±4.5 kHz ±2.5 kHz</td>
<td>±4.5 kHz ±2.5 kHz</td>
<td>±4.5 kHz ±2.5 kHz</td>
<td>±5 kHz ±2.5 kHz</td>
<td>±5 kHz ±2.5 kHz</td>
</tr>
<tr>
<td><strong>Audio Fidelity (CDFM)</strong></td>
<td>±2.0 kHz</td>
<td>±2.0 kHz</td>
<td>±2.0 kHz</td>
<td>±2.0 kHz</td>
<td>±2.0 kHz</td>
</tr>
<tr>
<td><strong>Audio Response</strong></td>
<td>+1, -3 dB (EIAM)</td>
<td>+1, -3 dB (EIAM)</td>
<td>+1, -3 dB (EIAM)</td>
<td>+1, -3 dB (EIAM)</td>
<td>+1, -3 dB (EIAM)</td>
</tr>
<tr>
<td><strong>FM Hum &amp; Noise</strong></td>
<td>154 kHz</td>
<td>125 kHz</td>
<td>100 kHz</td>
<td>100 kHz</td>
<td>100 kHz</td>
</tr>
<tr>
<td><strong>Audio Distortion</strong></td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid Power Radio Transceiver</td>
<td>2 x 7 x 8.6</td>
<td>50.8 x 178 x 218.4</td>
</tr>
<tr>
<td>OS Control Head</td>
<td>2 x 7 x 2.5</td>
<td>50.8 x 183 x 63.5</td>
</tr>
<tr>
<td>C2 Control Head</td>
<td>2.7 x 2.7 x 2.1</td>
<td>68.4 x 70 x 52.8</td>
</tr>
<tr>
<td>C2 Control Head</td>
<td>2 x 7 x 1.6</td>
<td>50.8 x 180 x 40</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and OS Control Head - Dash Mount</td>
<td>2 x 7 x 0.6</td>
<td>50.8 x 180 x 324.8</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and C2 Control Head - Dash Mount</td>
<td>7.7 x 8 x 0.5</td>
<td>68.4 x 203 x 127</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and C2 Control Head - Dash Mount</td>
<td>2 x 7 x 10.3</td>
<td>50.8 x 178 x 262</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and Antenna Mount</td>
<td>2.6 x 7 x 0.6</td>
<td>53.3 x 180 x 243</td>
</tr>
<tr>
<td>High Power Radio Transceiver</td>
<td>2.5 x 11.5 x 8.8</td>
<td>74 x 292 x 223</td>
</tr>
<tr>
<td>High Power Radio Transceiver with Handle</td>
<td>3.4 x 11.5 x 8.8</td>
<td>87 x 292 x 223</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and OS Control Head Weight</td>
<td>6.6 lbs</td>
<td>3.00 kg</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and C2 Control Head Weight</td>
<td>7.2 lbs</td>
<td>3.23 kg</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and C2 Control Head Weight</td>
<td>6.4 lbs</td>
<td>3.00 kg</td>
</tr>
<tr>
<td>High Power Radio Transceiver Weight</td>
<td>11.2 lbs</td>
<td>5.04 kg</td>
</tr>
<tr>
<td>Without Antenna</td>
<td>12 lbs</td>
<td>5.44 kg</td>
</tr>
</tbody>
</table>
### APX™ 6500 SPECIFICATIONS

#### APX 6500 CONTROL HEAD PORTFOLIO

<table>
<thead>
<tr>
<th><strong>02 RUGGED CONTROL HEAD</strong></th>
<th><strong>03 HAND HELD CONTROL HEAD</strong></th>
<th><strong>05 STANDARD CONTROL HEAD</strong></th>
<th><strong>07 ENHANCED CONTROL HEAD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Large color display with intelligent lighting</td>
<td>- Large color display with intelligent lighting</td>
<td>- Tri-color display with intelligent lighting</td>
<td>- Large color display with intelligent lighting</td>
</tr>
<tr>
<td>- 3 lines of text / 14 characters max / 1 line of icons / 1 line of menus</td>
<td>- 3 lines of text / 14 characters max / 1 line of icons / 1 line of menus</td>
<td>- 3 lines of text / 14 characters max / 1 line of icons / 1 line of menus</td>
<td>- 3 lines of text / 14 characters max / 1 line of icons / 1 line of menus</td>
</tr>
<tr>
<td>- Built in 7.5 watt speaker</td>
<td>- Multiple control head configuration (up to 2)</td>
<td>- Handheld control head configuration (up to 2)</td>
<td>- Multiple control head configuration (up to 2)</td>
</tr>
<tr>
<td>- Multi-function volume/channel knob</td>
<td>- Night/day mode button</td>
<td>- Display contrast selector</td>
<td>- Multi-function volume/channel knob</td>
</tr>
<tr>
<td>- Night/day mode button</td>
<td></td>
<td></td>
<td>- Night/day mode button</td>
</tr>
</tbody>
</table>

#### RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range/Bandwidth</th>
<th>700 MHz</th>
<th>800 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Spacing</td>
<td>764-768 MHz</td>
<td>855-860 MHz</td>
<td>136-174 MHz</td>
<td>3088-470 MHz</td>
<td>458-520 MHz</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>10/10/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
</tr>
<tr>
<td>Maximum Frequency/Channel</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td>Audio Output Power</td>
<td>7.5 W or 15 W **</td>
<td>7.5 W or 15 W **</td>
<td>7.5 W or 15 W **</td>
<td>7.5 W or 15 W **</td>
<td>7.5 W or 15 W **</td>
</tr>
<tr>
<td>Frequency Stability (±3°C to Η20°C, ±2°C Ref.)</td>
<td>±0.8 PPM</td>
<td>±0.8 PPM</td>
<td>±0.8 PPM</td>
<td>±0.8 PPM</td>
<td>±0.8 PPM</td>
</tr>
<tr>
<td>Analog Sensitivity*</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
</tr>
<tr>
<td>Digital Sensitivity</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
<td>12 dB SINAD</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>10 dB</td>
<td>10 dB</td>
<td>10 dB</td>
<td>10 dB</td>
<td>10 dB</td>
</tr>
<tr>
<td>Spurious Emission rejection</td>
<td>60 dB crosstalk</td>
<td>80 dB crosstalk</td>
<td>80 dB crosstalk</td>
<td>80 dB crosstalk</td>
<td>80 dB crosstalk</td>
</tr>
<tr>
<td>Audio Distortion at rated*</td>
<td>1.20%</td>
<td>1.20%</td>
<td>1.20%</td>
<td>1.20%</td>
<td>1.20%</td>
</tr>
<tr>
<td>FM Hum &amp; Noise</td>
<td>50 kHz</td>
<td>50 kHz</td>
<td>50 kHz</td>
<td>50 kHz</td>
<td>50 kHz</td>
</tr>
<tr>
<td>Selectivity*</td>
<td>65 kHz</td>
<td>65 kHz</td>
<td>65 kHz</td>
<td>65 kHz</td>
<td>65 kHz</td>
</tr>
</tbody>
</table>

#### SIGNALLING (ASTRO MODE)

<table>
<thead>
<tr>
<th>Signalling Rate</th>
<th>9.6 kbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital ID Capacity</td>
<td>10,000/000 Conventional / 48,000 Trunking</td>
</tr>
<tr>
<td>Digital Network Access Codes</td>
<td>4,096 network site addresses</td>
</tr>
<tr>
<td>Astro® Digital User Group Addresses</td>
<td>4,096 network site addresses</td>
</tr>
<tr>
<td>Project 25 - CAD Digital User Group Addresses</td>
<td>65,860 Conventional / 4,824 Trunking</td>
</tr>
<tr>
<td>Error Correction Techniques</td>
<td>Golay, BCH, Reed-Solomon codes</td>
</tr>
<tr>
<td>Data Access Control</td>
<td>On-board encryption of transmitted data</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### GPS SPECIFICATIONS

<table>
<thead>
<tr>
<th>Channels</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking Sensitivity</td>
<td>-153 dBm</td>
</tr>
<tr>
<td>Accuracy**</td>
<td>&lt;10 meters (95%)</td>
</tr>
<tr>
<td>Cold Start</td>
<td>&lt;60 seconds (95%)</td>
</tr>
<tr>
<td>Hot Start</td>
<td>&lt;10 seconds (95%)</td>
</tr>
<tr>
<td>Mode of Operation</td>
<td>Autonomous (Non-Assisted) GPS</td>
</tr>
</tbody>
</table>

#### POWER AND BATTERY DRAIN

<table>
<thead>
<tr>
<th>Model Type</th>
<th>136-174 MHz, 380-470 MHz, 455-520 MHz, 764-870 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum RF Power Output</td>
<td>10-35 Watt (136-174 MHz), 10-50 Watts or 25-110 Watts (380-470 MHz), 25-41 Watts (455-520 MHz), 16.5-28 Watts (764-870 MHz)</td>
</tr>
<tr>
<td>Operation</td>
<td>13.8V DC ±20% Negative Ground</td>
</tr>
<tr>
<td>Standby at 13.8V</td>
<td>0.85A (764-870 MHz), 0.85A (136-174 MHz), 0.85A (380-470 MHz), 0.85A (455-520 MHz)</td>
</tr>
<tr>
<td>Receive Current at Rated Audio at 13.8V</td>
<td>3.2A (136-174 MHz), 3.2A (136-174 MHz), 3.2A (380-470 MHz), 3.2A (455-520 MHz)</td>
</tr>
<tr>
<td>Transmit Current (A) at Rated Power</td>
<td>136-174 MHz: 20-50 Watts</td>
</tr>
<tr>
<td>Transmit Current (A) at Rated Power</td>
<td>136-174 MHz: 20-50 Watts</td>
</tr>
<tr>
<td>Transmit Current (A) at Rated Power</td>
<td>136-174 MHz: 20-50 Watts</td>
</tr>
</tbody>
</table>
## Mobile Military Standards 410C, D, E, F & G

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>500.1</td>
<td>500.2</td>
<td>500.3</td>
<td>500.4</td>
</tr>
<tr>
<td>High Temperature</td>
<td>501.1</td>
<td>/II</td>
<td>501.2</td>
<td>/II</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>522.1</td>
<td>I II</td>
<td>522.2</td>
<td>/II</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>503.1</td>
<td>/II</td>
<td>503.2</td>
<td>/II</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>505.1</td>
<td>III</td>
<td>505.2</td>
<td>III</td>
</tr>
<tr>
<td>Rain</td>
<td>569.1</td>
<td>III</td>
<td>569.2</td>
<td>III</td>
</tr>
<tr>
<td>Humidity</td>
<td>567.1</td>
<td>III</td>
<td>567.2</td>
<td>III</td>
</tr>
<tr>
<td>Salt Fog</td>
<td>510.1</td>
<td>III</td>
<td>510.2</td>
<td>III</td>
</tr>
<tr>
<td>Blowing Dust</td>
<td>514.1w</td>
<td>II-V, Curve-W</td>
<td>514.3</td>
<td>I/II, III</td>
</tr>
<tr>
<td>Vibration</td>
<td>514.1w</td>
<td>II-V, Curve-W</td>
<td>514.3</td>
<td>I/II, III</td>
</tr>
<tr>
<td>Shock</td>
<td>516.7</td>
<td>II-V, VI</td>
<td>516.8</td>
<td>II-V, VI</td>
</tr>
</tbody>
</table>

## Encryption

- Supported Encryption Algorithms: AEP, AES, DES, DES-XL, DES-3DES, 3DES-XL
- Encryption Algorithm Capacity: 8
- Encryption Keys per Radio: Module capable of storing 1024 keys. Programmable for 4 Common Key Reference (CKR) or 16 Physical Identity (PID)
- Encryption Frame Re-sync Interval: 255 CAI 300 mSec
- Encryption Keying: Key Arbitration
- Synchronization: Key Arbitration
- Vector Generator: National Institute of Standards and Technology (NIST) approved random number generator
- Encryption Type: Digital
- Key Storage: Temporal protected volatile or non-volatile memory
- Key Erasure: Keyboard command and timer detection
- Standards: FIPS 140-2 level 3, FIPS 197

## Environmental Specifications

- Operating Temperature: -30°C / +60°C
- Storage Temperature: -40°C / +85°C
- Humidity: Per MIL-STD
- ESD: 1500 V
- Water and Dust Intrusion: IP54, MIL-STD

## FCC Type Acceptance ID

<table>
<thead>
<tr>
<th>Band</th>
<th>Output Power</th>
<th>Transmitter Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>764-870 MHz</td>
<td>10-35 Watts</td>
<td>AT492FT5658</td>
</tr>
<tr>
<td>136-174 MHz</td>
<td>25-110 Watts</td>
<td>AT492FT3928</td>
</tr>
<tr>
<td>156-174 MHz</td>
<td>50-50 Watts</td>
<td>AT492FT3834</td>
</tr>
<tr>
<td>380-470 MHz</td>
<td>10-40 Watts</td>
<td>AT492FT4ED4</td>
</tr>
<tr>
<td>380-470 MHz</td>
<td>25-110 Watts</td>
<td>AT492FT4ED4</td>
</tr>
<tr>
<td>450-520 MHz</td>
<td>10-45 Watts</td>
<td>AT492FT4ED4</td>
</tr>
</tbody>
</table>

* Measured in the analog mode per MIL-STD 681 under nominal conditions
* Accuracy specifications for long-term tracking
** BSIM data are subject to variation as defined by BSIM. BSIM includes performance for the non-CMOS/BISS standard
++ Output power is 2 and 2.5 dBm external spurious power, respectively

Specifications subject to change without notice. All specifications shown are typical. Radio events applicable regulatory requirements.
Panama City Beach, FL Police Department

Bid for Police Mobile and Portable Radios
October 2, 2018

BK Technologies

9/21/2018
Technical Response

BK Technologies is a Florida owned/operated radio manufacturer specializing in P25 radios purpose built for Public Safety.

We are bidding an alternative to the specific brand/model listed – yet meeting/exceeding every technical specification.

We have a strong track record of operating seamlessly and flawlessly on an Astro Digital Radio System.

Six (6) KNG-M800 P25 Compliant “mobile” radios (for police use) with the following requirements:
- Any and all P25 trunking needs (Phase 1 and Phase 2 included), including software
- Astro Digital CAI Operation
- Smartzone Operation
- Control Head
- Dash Mount (all cables and mounting hardware included)
- 3 DB Low Profile Antenna
- Palm Microphone
- Increased Audio Power 15W
- Programming included
- Lifetime software/firmware updates included
- 3 year extended Warranty (total 5 year warranty)
- Shipping

• Six (6) KNG-P800 P25 Compliant “portable” radios (for police use) with the following requirements:
  - Any and all P25 trunking needs (Phase 1 and Phase 2 included), including software
  - Submersible (IP67/IP68 and MIL-STD 810 C/D/E/F/G)
  - Charger (Intelligent Charger)
  - External lapel microphone (24 inch)
  - Available port for earpiece, either on lapel or radio
  - Backlight
  - Rugged water resistant / immersion housing (IP67/IP68 and MIL-STD 810 C/D/E/F/G)
  - Programming Included
  - Extra battery (Intelligent Batteries)
  - Lifetime software/firmware updates included
  - 3 year extended warranty (Total 5 years)
  - Shipping
  - Extra antenna
# Pricing

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile Radio (per specs on Page 2)</td>
<td>$2,442.50 each</td>
</tr>
<tr>
<td>Portable Radio – (per specs on Page 2)</td>
<td>$1,701.00 each</td>
</tr>
</tbody>
</table>

**Total for 6 Mobile and 6 Portable radios**  
$24,861.00
<table>
<thead>
<tr>
<th>Product</th>
<th>Product Description</th>
<th>Quantity</th>
<th>List Price</th>
<th>Sales Price (Unit)</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNG-M800</td>
<td>763-870 MHz, Digital/Analog, P25, 5000 channels, 30/35 Watts Dash Mount</td>
<td>6.00</td>
<td>$3,658.34</td>
<td>$1,908.00</td>
<td>$11,448.00</td>
</tr>
<tr>
<td>MWV800</td>
<td>Mobile Antenna, 763-870 MHz</td>
<td>6.00</td>
<td>$105.00</td>
<td>$52.50</td>
<td>$315.00</td>
</tr>
<tr>
<td>NMO-NTYPE</td>
<td>Fixed Antenna Mount NMO w/ Type N Connector</td>
<td>6.00</td>
<td>$50.00</td>
<td>$25.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>KAA0276</td>
<td>Standard Handheld Microphone KNG-M</td>
<td>6.00</td>
<td>$266.00</td>
<td>$133.00</td>
<td>$798.00</td>
</tr>
<tr>
<td>KZA0569</td>
<td>Factory Install P25 9600 Baud Trunking</td>
<td>6.00</td>
<td>$60.00</td>
<td>$100.00</td>
<td>$600.00</td>
</tr>
<tr>
<td>KZA0594</td>
<td>Factory Install, TDMA <em>Must have KZA0569</em></td>
<td>6.00</td>
<td>$250.00</td>
<td>$25.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>KNG-P800</td>
<td>763-870 MHz, 5000 channels, 3 Watt P25 Digital/Analog Portable</td>
<td>6.00</td>
<td>$2,713.00</td>
<td>$999.00</td>
<td>$5,994.00</td>
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<tr>
<td>KAA0825</td>
<td>800, SMA (764-870 MHz) Antenna</td>
<td>12.00</td>
<td>$33.00</td>
<td>$16.50</td>
<td>$198.00</td>
</tr>
<tr>
<td>KAA0103</td>
<td>Battery Pack, Li-Ion, 2300mAh, Intelligent</td>
<td>12.00</td>
<td>$165.00</td>
<td>$82.50</td>
<td>$990.00</td>
</tr>
<tr>
<td>KAA0303-1</td>
<td>Charger, Desk Top, 1 Bay, KNG, Intelligent, Conditioning</td>
<td>6.00</td>
<td>$200.00</td>
<td>$100.00</td>
<td>$600.00</td>
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<tr>
<td>KAA0204-E35</td>
<td>Microphone, Speaker, Emergency Button, W3.5mm Jack, KNG-P</td>
<td>6.00</td>
<td>$160.00</td>
<td>$80.00</td>
<td>$480.00</td>
</tr>
<tr>
<td>KZA0579</td>
<td>Factory Install P25 9600 Baud Trunking</td>
<td>6.00</td>
<td>$60.00</td>
<td>$100.00</td>
<td>$600.00</td>
</tr>
</tbody>
</table>

BK Technologies (a RELM Wireless Company)
7100 Technology Drive West Melbourne
FL, 32904
United States
www.bktechnologies.com
BK Technologies
KNG P25 Portable Radio

Public Safety Communications
The KNG Series radio offers exceptional performance in a lightweight form, incorporating industry leading RF and electrical specifications in a rugged, submersible housing, the KNG Series platform provides the performance needed for the most demanding applications making this the perfect radio for all aspects of government, public safety and first responder missions.

- P25 Trunking Option
- TDMA Phase II Compatible
- IP67/IP68 Water and Dust Protection
- USB PC Programmable
- NIST-Certified AES, FIPS 104-2, DES-OFB/CFB/XL
- MIL-STD 810 C/D/E/F/G
- Cloning to KNG & Legacy Series
- Advanced System Key
- Radio Authentication (LLA)

© BK Technologies 2017
Some Key Benefits

- Exceptional Battery Life
  Up to 12 hours with standard capacity and 22 hours with high capacity battery.

- Enhanced Voice Quality
  The KNG Series radio uses the Third Generation Enhanced IMBE P25 dual rate Vocoder (AMBE+2 V1.80) for robust performance in noisy environments with advanced noise.

- Enhanced Noise Cancelation
  Enhanced software noise canceling technology to improve communications in loud environments.

- 5 Line Bitmap Display
  Status Icons, three customizable display lines of 14 characters and soft key legends.

- Environmental Reliability
  Designed and tested to MIL-STD-810C/D/E/F/G and IP-67/IP68 rated.

- DHS P25 CAP Approved
  DHS P25 Compliance Assessment Program Tested and Approved Public Safety Grade (TIA Class A).

- Robust Receiver
  Improved range and less susceptibility to interference.

- Simulcast Operation
  C4FM and CQPSK modes for robust performance in simulcast (including LSM) systems.

- Conventional Signaling
  Analog MDC-1200 and digital APCO P25 for conventional operation.

- Scan Modes
  Dual priority scan, trunked priority scan, and dual mode scan.

- NIST FIPS-140-2 Certification
  The KNG Series radios employ a NIST Certified Cryptographic module.

- Multi-key/Multi-Algorithm
  Multi-Key/Multi-Algorithm Encryption

- Over-the-Air Rekey (OTAR)

- Encryption Key Fill
  TIA-102-AACD compliant and interoperable with commercially available keyfill devices.

- P25 9600 Baud Trunking
  The KNG Series radio operates on 9600 baud P25 Compliant Trunking Systems and has been P25 Compliance Assessment Program (P25CAP) tested and proven interoperable.

- OTAP
  KNG Series radios support Over-the-Air Programming (OTAP) for operational efficiency.

- TDMA Phase 2
  KNG Series VHF, UHF, 700/800 platforms are P25 Phase 2 (TDMA) ready supporting double the voice capacity of Phase 1 trunking systems.

- Radio Authentication
  P25 Radio Authentication per TIA-102-AACE-A is supported.

- Room to Grow
  Currently uses less than 20% of available memory and processor cycles.

Portable Radio Options

The KNG platform meets today's demanding mission critical voice requirements is future ready and able to expand with changing standards and mission requirements.

- KZA0577
  AES, FIPS-140-2 Approved Hardware, DES OFB / DES-CFB / DES-XL Encryption

- KZA0578
  P25 Over the Air-Rekey (OTAR)

- KZA0579
  P25 9600 Baud Trunking

- KZA0581
  Multi-Cast Vote Scan Plus

- KZA0582
  Over the Air Programming (OTAP)

- KZA0593
  P25 Phase II – 2 Slot TDMA Operation (Requires KZA0578)

- KZA0595
  P25 Radio Authentication LAA (Requires KZA0577)
LED Indicator
- Receive (green)
- Busy Channel (flash green)
- Transmit (red)
- Flash Mode (blue)
- Low Battery (flash red)

The KNG display can be programmed for a variety of options and functionality. Check with your BK Radio dealer or communications officer for information on the programmed functions of your radio.

NOTE: The KNG display can be programmed to display different information when a trunking or conventional channel is selected.
Public Safety Communications

The KNG Series radio offers exceptional performance in a lightweight form. With industry leading RF and electrical specifications in a rugged, submersible housing, the KNG Series platform provides the performance needed for the most demanding applications making this the perfect radio for all aspects of government, public safety and first responder missions.

- P25 Trunking Option
- TDMA Phase II Compatible
- IP54 Water and Dust Protection
- USB PC Programmable
- NIST-Certified AES, FIPS 104-2, Level 2, & DES/OFB/CFB/XL
- MIL-STD 810 C/D/E/F/G
- Cloning to KNG & Legacy Series
Some Key Benefits

- **Innovative Touch Screen Display**
  Touch screen display provides unparalleled level of end-user customizing, ease of use, and expansion as new technologies are integrated with Project 25 Standards.

- **Enhanced Voice Quality**
  The KNG Series radio uses the Third Generation Enhanced IMBE Project 25 dual rate Vocoder (AMBE+2 V1.80) for robust performance in noisy environments. Software based noise cancellation preserves situational awareness lost with dual microphone systems.

- **5 Line Color Bitmap Display**
  Status Icons, three customizable display lines of 14 characters and soft key legends.

- **Environmental Reliability**
  Designed and tested to MIL-STD-810 and IP-54 rated.

- **DHS P25 CAP Approved**
  DHS P25 Compliance Assessment Program Tested and Approved Public Safety Grade (TIA Class A).

- **Robust Receiver**
  Improved range and less susceptibility to interference.

- **Simulcast Operation**
  C4FM and CQPSK modes for robust performance in simulcast (including LSM) systems.

- **Conventional Signaling**
  Analog MDC 1200 and digital APCO Project 25 for conventional operation.

- **IP54**
  Water and dust protection

- **Scan Modes**
  Dual priority scan, trunked priority scan, and dual mode scan

- **NIST FIPS-140-2 Certification**
  The KNG Series radios employ a NIST Certified Cryptographic module.

- **Multi-key/Multi-Algorithm**
  Multi-Key/Multi-Algorithm Encryption and Over-the-Air Rekey

- **Encryption Key Fill**
  TIA-102-AAAD compliant and interoperable with commercially available keyfill devices.

- **Project 25 9600 Baud Trunking**
  The KNG Series radio operates on 9600 baud P25 Compliant Trunking Systems and has been Project 25 Compliance Assessment Program (P25CAP) tested and proven interoperable.

- **OTAP**
  KNG Series radios support Over-the-Air Programming (OTAP) for operational efficiency.

- **TDMA Phase 2**
  KNG Series 700/800 MHz platforms are Project 25 Phase 2 (TDMA) ready supporting double the voice capacity of Phase 1 trunking systems.

- **Radio Authentication**
  Project 25 Radio Authentication per TIA-102-ACCE-A is supported.

- **GPS/Location Services**
  Project 25 Location Services per TIA-102-BAJB are supported.

- **Rcom to Grow**
  Currently uses less than 20% of available memory and processor cycles.

Mobile Radio Options

The KNG platform meets today’s demanding mission critical voice requirements is future ready and able to expand with changing standards and mission requirements.

- **KZA0154**
  Option, High Power, 110W

- **KAA0660**
  Remote Control Head

- **KAA0670**
  Handheld Control Head

- **KAA/KZA0569**
  P25 9600 Baud Trunking

- **KZA0576**
  DES-OFB/DES-CFB/DES-XL
  AES Encryption FIPS-140-2, Level 2

- **KAA/KZA0580**
  P25 Over the Air Rekeying (OTAR)

- **KAA/KZA0583**
  Multi-Cast Vote Scan Plus

- **KAA/KZA0589**
  GPS Option for KNG Mobiles

- **KAA/KZA0592**
  Over the Air Reprogramming

- **KAA/KZA0594**
  P25 Phase II – 2 Slot TDMA Operation

- **KAA/KZA0596**
  P25 Radio Authentication

- **KAA0261**
  External Speaker 20W, 4 Ohm

- **KAA0276**
  Standard Handheld Microphone KNG-M

- **KAA0290**
  Handheld Programming Microphone
KNG Mobile Buttons and Functions

USB Port
Volume & On/Off
Vibrant Color TFT Touch Screen Display
Menu Navigation
Channel Knob
Emergency Button
Home (Main Menu)
Microphone Jack
“OK” Selection Button
Programmable Side Buttons
Menu Navigation/Select
3 x 4 Alphanumeric Keypad
Push to Talk

(Same size 50 and 110 Watt)

Standard Control Head

► Full Color Touch screen
► 5 Line display: Status Icons, three customized display lines of 14 characters, 4 programmable touch keys and menu touch key
► 3 x 4 Keypad microphone with navigation keys and 3 programmable function keys
► Dash and Remote Mount Configurations
► Multiple Control Heads supported: Single, dual and triple allow full control of the transceiver from multiple positions
► Dual 15 watt external speak outputs per control head
### CITY OF PANAMA CITY BEACH
### BUDGET TRANSFER FORM BF-10

<table>
<thead>
<tr>
<th>FUND</th>
<th>ACCOUNT NUMBER</th>
<th>ACCOUNT DESCRIPTION</th>
<th>APPROVED BUDGET</th>
<th>BUDGET ADJUSTMENT</th>
<th>NEW BUDGET BALANCE</th>
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</thead>
<tbody>
<tr>
<td>TO</td>
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<td>Salaries Regular</td>
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<td>127,550.00</td>
<td>4,042,550.00</td>
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<td>FICA</td>
<td>336,244.00</td>
<td>9,800.00</td>
<td>346,044.00</td>
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<td>TO</td>
<td>001-2101-521.22-20</td>
<td>Retirement Sworn</td>
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<td>630,570.00</td>
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<td>490,410.00</td>
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<td>TO</td>
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<td>24,025.00</td>
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<td>TO</td>
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<td>Life Insurance</td>
<td>4,100.00</td>
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<td>4,115.00</td>
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<td>TO</td>
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<td>140,200.00</td>
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<td>140,000.00</td>
<td>23,850.00</td>
<td>163,850.00</td>
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<td>TO</td>
<td>001-2101-521.64-20</td>
<td>Machinery and Equipment</td>
<td>525,000.00</td>
<td>100,800.00</td>
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<td>TO</td>
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<td>Cash Carryforward Unrestricted</td>
<td>(20,953,995.00)</td>
<td>(171,600.00)</td>
<td>(21,125,595.00)</td>
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<td>FROM</td>
<td>001-8100-999.95-00</td>
<td>Reserves Restricted</td>
<td>3,989,425.00</td>
<td>(124,650.00)</td>
<td>3,864,775.00</td>
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</table>

Check Adjustment Totals: (10,793,256.00) 0.00 (10,793,256.00)

### BRIEF JUSTIFICATION FOR BUDGET ADJUSTMENT:
To appropriate funds in the FY 2019 budget for three (3) full-time patrol officers

### ROUTING FOR APPROVAL

_____________________________ DEPARTMENT HEAD ________________ DATE _________________________ CITY MANAGER ________________ DATE _________________________

_____________________________ FINANCE DIRECTOR ________________ DATE _________________________
CITY OF PANAMA CITY BEACH
AGENDA ITEM SUMMARY

1. DEPARTMENT MAKING REQUEST/NAME:
Panama City Beach Police Department

2. MEETING DATE:
December 13, 2018

3. REQUESTED MOTION/ACTION:
We respectfully request the Council’s approval for the purchase of three (3) Ford Explorer Police Interceptors at a cost of $32,835.00 each from Bozard Ford.

4. AGENDA
PRESENTATION
PUBLIC HEARING
CONSENT
REGULAR

5. IS THIS ITEM BUDGETED (IF APPLICABLE)?
Yes [ ] No [x] N/A [ ]
BUDGET AMENDMENT OR N/A

6. BACKGROUND: (WHY IS THE ACTION NECESSARY, WHAT GOAL WILL BE ACHIEVED)
We respectfully request the Council’s approval to purchase three (3) Ford Explorer Police Interceptors from Bozard Ford at a cost of $32,835.00 each. This purchase will allow us to provide vehicles to three new officers funded with impact fees.

Note the original awarded bid was to Beck Auto Sales, however, they were only able to provide the original vehicles requested. Bozard came in as the next lowest bid with an increase of $935.00 each, for a total increase of $2,805.00 total purchase.
<table>
<thead>
<tr>
<th>Description</th>
<th>Emergency Lights</th>
<th>Passenger Side</th>
<th>Driver Side</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 FORD</td>
<td>WHITE</td>
<td>Lights</td>
<td>Lens</td>
<td>$34,826.00</td>
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<tr>
<td>99B</td>
<td>Color</td>
<td></td>
<td></td>
<td>-$2,600.00</td>
</tr>
<tr>
<td>44B</td>
<td>3.3L V6 DIRECT INJECTION ENGF</td>
<td></td>
<td>INC</td>
<td></td>
</tr>
<tr>
<td>51R</td>
<td>10 SPEED AUTO</td>
<td></td>
<td>INC</td>
<td></td>
</tr>
<tr>
<td>55R</td>
<td>DRIVER SIDE SPOTLIGHT</td>
<td></td>
<td>INC</td>
<td></td>
</tr>
<tr>
<td>17A</td>
<td>KEYLESS ENTRY</td>
<td></td>
<td>INC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUXILIARY AIR COND</td>
<td></td>
<td></td>
<td>$609.00</td>
</tr>
</tbody>
</table>

All Vehicles will be ordered **WHITE** unless agency choose a different color.

**Approved**

Please return quote along with purchase order.

*Joe Winrow*

Fleet Sales
850-776-5294 Cell
540 Outlet Mall Blvd* St. Augustine, FL 32084* Telephone (904)824-1641* www.BOZARDFORD.com
### Selected Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Vehicle</strong></td>
<td></td>
</tr>
<tr>
<td>K8A</td>
<td>Base Vehicle Price (K8A)</td>
</tr>
<tr>
<td><strong>Packages</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 500A | Order Code 500A  
Includes:  
- 3.73 Axle Ratio  
- GVWR: TBD  
- Tires: 255/60R18 AS BSW  
- Wheels: 18" x 8" 5-Spoke Painted Black Steel  
Includes center caps and full size spare  
- Unique HD Cloth Front Bucket Seats w/Vinyl Rear  
Includes reduced bolsters, driver 6-way power track (fore/aft/up/down, tilt with manual recline, 2-way manual lumbar, passenger 2-way manual track (fore/aft, with manual recline) and built-in steel intrusion plates in both front seatbacks  
- Radio: AM/FM/MP3 Capable  
Includes clock, 4 speakers and 4.2" color LCD screen center stack Smart Display |
| **Powertrain** | |
| 99B  | Engine: 3.3L V6 Direct-Injection (FFV)  
(136-MPH TSP Speed) Note: Deletes Regenerative Braking and Lithium-Ion Battery Pack: adds 260-Amp Alternator, replaces H7 ASM battery (800 CCA/60-amp) with H7 SLI battery (730 CCA/60-amp) and replaces 19-gallon tank with 21.4-gallon |
| 44U  | Transmission: 10-Speed Automatic (44U) |
| STDAX | 3.73 Axle Ratio |
| STDGV | GVWR: TBD |
| **Wheels & Tires** | |
| STDTR | Tires: 255/60R18 AS BSW |
| STDWL | Wheels: 18" x 8" 5-Spoke Painted Black Steel  
Includes center caps and full size spare |
| **Seats & Seat Trim** | |
| 9  | Unique HD Cloth Front Bucket Seats w/Vinyl Rear  
Includes reduced bolsters, driver 6-way power track (fore/aft/up/down, tilt with manual recline, 2-way manual lumbar, passenger 2-way manual track (fore/aft, with manual recline) and built-in steel intrusion plates in both front seatbacks |
| **Other Options** | |
| 113WB | 113" Wheelbase |
| PAINT | Monotone Paint Application |
| STDRD | Radio: AM/FM/MP3 Capable  
Includes clock, 4 speakers and 4.2" color LCD screen center stack Smart Display |

---

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared by: Joseph Windrow  Date: 10/24/2018
## Selected Options (cont'd)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51R</td>
<td>Driver Only LED Spoil Lamp (Unity)</td>
</tr>
</tbody>
</table>
| 55F  | Remote Keyless Entry Key Fob w/o Key Pad  
*Does not include PATS. Includes 4-key fobs. Key fobs are not fobbed alike when ordered with Keyless Alike.* |
| 17A  | Aux Air Conditioning |

### Emissions

425  
*50 State Emission System*  
Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine.

### Interior Colors

96_01  
Charcoal Black

### Primary Colors

YZ_01  
Oxford White
Panama City Beach Police Department- Police Fleet Vehicles

Ten (10) 2019 Ford SUV Police Interceptors (Patrol specs)

The City of Panama City Beach hereby solicits sealed bids for the following equipment:

(10) Ten- 2019 Ford SUV Police Interceptors (Patrol specs)

PLEASE SEE SPECIFICATIONS LISTED.

BID SHOULD INCLUDE ONLY THOSE SPECS.

The Bids should include ALL fees, including delivery charges (if any).

The Original Bid Opening of October 18th passed and no bids were opened due to delayed mail delivery. A new Bid opening date has been set for November 1st at 10:00 A.M.

Any new Bids must be sealed and will be received until 10:00 A.M. Central Time, November 1, 2018 at the City of Panama City Beach Police Department, Attn: Captain Wayne Maddox, 17115 Panama City Beach Parkway, Panama City Beach, FL 32413, and will be opened and read publicly immediately thereafter.

The City reserves the right to reject any and all Bids and to waive and formality in Bids received. All Bidders shall comply with all applicable State and local laws concerning licensing, registration, and regulations of businesses in the State of Florida.

All Bids shall be firm and for a period of six (6) months after opening.

Advertisement Dates: Beginning October 18, 2018
SPECIFICATIONS NEEDED FOR THE 2019 FORD INTERCEPTORS SUV-K8A (PATROL)

2019 Ford Interceptor SUV-K8A

Spotlight (Driver’s side)

Keyless Entry

Auxiliary A/C

**Please note if any changes have been made to the previous year’s specifications for the 2019 model.**
Panama City Beach Police Department- Police Fleet Vehicles

Ten (10) 2019 Ford SUV Police Interceptors (Patrol specs)

The City of Panama City Beach hereby solicits sealed bids for the following equipment:

(10) Ten- 2019 Ford SUV Police Interceptors (Patrol specs)

PLEASE SEE SPECIFICATIONS LISTED.

BID SHOULD INCLUDE ONLY THOSE SPECS.

The Bids should include ALL fees, including delivery charges (if any).

Bids must be sealed and will be received until 10:00 A.M. Central Time, October 18, 2018 at the City of Panama City Beach Police Department, Attn: Captain Wayne Maddox, 17115 Panama City Beach Parkway, Panama City Beach, FL 32413, and will be opened and read publicly immediately thereafter.

The City reserves the right to reject any and all Bids and to waive and formality in Bids received. All Bidders shall comply with all applicable State and local laws concerning licensing, registration, and regulations of businesses in the State of Florida.

All Bids shall be firm and for a period of six (6) months after opening.

Advertisement Dates: Beginning October 4, 2018
SPECIFICATIONS NEEDED FOR THE 2019 FORD INTERCEPTORS SUV-K8A (PATROL)

2019 Ford Interceptor SUV-K8A

Spotlight (Driver's side)

Keyless Entry

Auxiliary A/C

**Please note if any changes have been made to the previous year's specifications for the 2019 model.

Bid Price Non Hybrid: $34305.00
2020 Ford Police Utility

Bid Price Hybrid: $37420.00
2020 Ford Police Utility

AutoNation Ford Mobile
Ernest Lamb
251-709-2474
Unique Police Interceptor Utility Features Include:

<table>
<thead>
<tr>
<th>MODEL/SERIES/AVAILABILITY</th>
<th>POLICE UFPIT FRIENDLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3 Available Models</td>
<td>• Consistent 11-inch space between driver and passenger seats for aftermarket consoles (9-inch center console mounting plate)</td>
</tr>
<tr>
<td>— 3.3L V6 Direct-Injection Hybrid Engine System (AWD)</td>
<td>• Console mounting plate</td>
</tr>
<tr>
<td>— 3.3L V6 Direct-Injection FFV AWD</td>
<td>• Dash pass-thru opening for aftermarket wiring</td>
</tr>
<tr>
<td>— 3.3L V6 EcoBoost® AWD*</td>
<td>• Headliner – Easy to service</td>
</tr>
<tr>
<td>• 1 Available Series</td>
<td>• Integrated LED police flashers (available)</td>
</tr>
<tr>
<td>— 500A</td>
<td>* Rear-center seat delete (available)</td>
</tr>
</tbody>
</table>

MECHANICAL
* 3.3L Police-Calibrated V6 Direct-Injection Hybrid Engine System – Standard (Hybrid technology is optimal for performance and long days spent idling on the job)
* AWD DriveTrax – Standard for enhanced handling precision and unsurpassed traction on wet or dry surfaces
* Transmission – 10-speed automatic, police calibrated for maximum acceleration and faster closing speeds
* Lithium-Ion Battery Pack
* Brakes – Police calibrated high-performance regenerative braking system.
* 4-Wheel heavy-duty disc w/heavy-duty front and rear calipers
* Brake Rotors – large mass for high thermal capacity and calipers with large swept area.
* Electric Power-Assist Steering (EPAS) – Heavy-Duty
* DC/DC converter – 220-Amp (in lieu of alternator)
* H7 AGM Battery (Standard; 850 CCA/80-amp)
* Cooling System – Heavy-duty, large high volume radiator, Engine oil cooler and transmission oil cooler
* Engine Idle Hour Meter
* Engine Hour Meter
* Powertrain mounts – Heavy-Duty.
* Wheels
   — Heavy-duty steel, vented with center cap
   — Full size spare tire w/TPMS
* 50-State Emissions System

INTERIOR FEATURES
* Cargo Area – Spacious area for police equipment; Lithium-Ion Battery Pack does not intrude into the cargo area
* Column Shifter
* Seats
   — Front – Police grade cloth – 6-way power-adjustable Manual lumbar, seatback foam designed to comfortably accommodate a utility belt
   — Built-in steel intrusion plates in both front-seatbacks
   — 2nd Row – Police grade vinyl, offers easy care for cleaning
* Flooring – Heavy-Duty vinyl; offers ease of cleaning and long-term durability
* Liftgate access with manual lock cylinder
* Simple Flee Key (two microchips, easy to replace, 4 keys)
* Speedometer – Certified, digital readout in message center and analog gauge
* Universal equipment tray atop instrument panel (ideal for radar and other police equipment)

<table>
<thead>
<tr>
<th>POLICE UFPIT FRIENDLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Consistent 11-inch space between driver and passenger seats for aftermarket consoles (9-inch center console mounting plate)</td>
</tr>
<tr>
<td>• Console mounting plate</td>
</tr>
<tr>
<td>• Dash pass-thru opening for aftermarket wiring</td>
</tr>
<tr>
<td>• Headliner – Easy to service</td>
</tr>
<tr>
<td>• Integrated LED police flashers (available)</td>
</tr>
<tr>
<td>* Rear-center seat delete (available)</td>
</tr>
<tr>
<td>• Taillamps – Integrated police flashers (available)</td>
</tr>
<tr>
<td>• Two (2) 50 amp battery ground circuits – power distribution junction block (repositioned behind 2nd row seat floorboard).</td>
</tr>
</tbody>
</table>

TECHNOLOGY
* Ford Telematics™ – Includes Ford Modem and complimentary 2-year trial subscription
* Police Perimeter Alert (available; detects motion in an approximately 270-degree radius on sides and back of vehicle)
* Rear Camera On-Demand (available)
* Front Interior Visor Light Bar (LED) Super low-profile warning
* LED light bar fully integrated into the top of the windshield near the headliner – fully programmable (available)
* Rear Spoiler Traffic Warning Lights (LED) – Fully integrated in rear spoiler for enhanced visibility; Provides red/amber directional lighting – fully programmable (available)
* Pre-Collision Assist with Pedestrian Detection (available; includes Forward Collision Warning and Automatic Emergency Braking and unique disable switch for Law Enforcement use)
* BLIS® – Blind Spot Monitoring with Cross-traffic Alert (available)
* SYNOS® 3 (available)
* Unique Steering Wheel (with 4-remappable latching switches)

SAFETY/SECURITY HIGHLIGHTS
* 75 mph Rear-Impact Crash Tested
Note: The full-size spare tire secured in the factory location is necessary to achieve polce-rated 75 mph rear impact crash test performance attributes
* AdvanceTrac®/RSC® (Roll Stability Control®) police tuned gyroscopic sensors work seamlessly with the ABS
* Ballistic Door-Panel (National Institute of Justice (NIJ) certified to stop Type III, IV, all lesser NIJ rounds, as well as additional special threat rounds) (available)
* Exterior Key Locks – Driver, passenger and litigate
* Police Engine Ideal feature (available)
* Rear Video Camera with Washer (standard)
* Reverse Sensing (available)

GENERAL
* Underbody deflection plate no longer standard on EcoBoost® models (order 760)
* Front headlamps lighting solution now includes Red/Blue/White LED Strobes

WARRANTY
* 3 Year / 36,000 Miles Bumper / Bumper
* 8 Year / 100,000 Miles Hybrid Unique Components

POWERTRAIN CARE EXTENDED SERVICE PLAN
* 5-year/100,000-mile Powertrain CARE Extended Service Plan (zero deductible) – Standard

Product Changes and Features Availability
Features, options and package content subject to change. Please check www.fordemissions.com for the most current information.
2020 POLICE INTERCEPTOR UTILITY
STANDARD EQUIPMENT

The following items are std. 2020MY POLICE INTERCEPTOR UTILITY vehicle:

MECHANICAL
- Axle Ratio – 3.73 (AWD)
- Brakes – 4-Wheel Heavy-Duty Disc w/ H.D. Front and Rear Calipers
- Column Shifter
- DC/DC converter – 220-Amp (in lieu of alternator)
- Drivetrain – All-Wheel-Drive
- Electric Power-Assist Steering (EPS) – Heavy-Duty
- Engine – 3.3L V6 Direct-Injection Hybrid Engine System
- Engine Hour Idle Meter
- Engine Hour Meter
- Engine Oil Cooler
- Fuel Tank – 19-gallons
- H7 AGM Battery (800 CCA/60-amp)
- Lithium-Ion Battery Pack
- Suspension – independent front & rear
- Transmission – 10-speed automatic

EXTERIOR
- Antenna, Roof-mounted
- Cladding – Lower bodyside cladding MIC
- Door Handles – Black (MIC)
- Exhaust True Dual (down-turned)
- Front Door Lock Cylinders (Front Driver / Passenger / Liftgate)
- Glass – 2nd Row, Rear Quarter and Liftgate Privacy Glass
- Grille – Black (MIC)
- Headlamps – Automatic, LED Low-and-High-Beam

Note: Includes Front Headlamp / Police Interceptor Housing (with LED wip-wag feature)
- Pre-drilled hole for side marker police use, does not include LED strobe, but includes LED wip-wag functionality (eliminates need to drill housing assemblies and provides LED wip-wag feature)
- Pre-molded side warning LED holes with standard sealed capability (does not include LED installed lights)
- Wip-wag default is traditional ping-pong pattern; can be programmed to triple-burst pattern or ping-pong / triple-burst

INTERIOR/COMFORT (continued)
- Mirror – Day/night Rear View
- Particulate Air Filter
- Powerpoints – (1) First Row
- Rear door closeout panels
- Rear-window Defrost
- Scuff Plates – Front & Rear
- Seats
- 1st Row Police Grade Cloth Trim, Dual Front Buckets with reduced bolsters
- 1st Row – Driver 6-way Power track (fors/aft, up/down, tilt with manual recline, 2-way manual lumbar)
- 1st Row – Passenger 2-way manual track (fors/aft, with manual recline)
- Built-In steel intrusion plates in both driver/passenger seatbacks
- 2nd Row Vinyl, 35/30/35 Split Bench Seat (manual fold-flat, no tumble) – fixed seat track
- Speed (Cruise) Control
- Speedometer – Calibrated (includes digital readout)
- Steering Wheel – Manual / Tilt / Telescoping, Urethane wheel finish w/Silver Painted Bezels with Speed Controls and 4-user configurable tacting switches
- Sun visors, color-keyed, non-illuminated
- Universal Top Tray – Center of LP for mounting aftermarket equipment
- Windows, Power, 1-touch Up/Down Front Driver/Passenger-Side with disable feature

SAFETY/SECURITY
- AdvanceTrac® w/ RSC® (Roll Stability Control™)
- Airbags, dual-stage driver & front-passenger, side seat, passenger-side knee, Roll Curtain Airbags and Safety Canopy®
- Anti-Lock Brakes (ABS) with Traction Control
- Brakes – Police calibrated high-performance regenerative braking system
- Belt-Minder® (Front Driver / Passenger)
- Child-Safety Locks (lapped)
- Individual Tire Pressure Monitoring System (TPMS)
- LATCH (Lower Anchors and Tethers for Children) system on rear outboard seat locations
- Rearview Camera with Washer viewable in 4.2” center stack.

Note: Rearview Camera viewable in rearview mirror (available) – order 87R (no-charge option)
- Seat Belts, Pretensioner/Energy Management System
- w-adjustable height in 1st Row
- SCS Post-Crash Alert System™

FUNCTIONAL
- Audio
- AM/FM / MP3 Capable / Clock / 4-speakers
- Bluetooth® Interface
- 4.2” Color LCD Screen Center-Stack “Smart Display”

Note: Standard radio does not include USB Port or Aux. Audio Input Jack; Aux. Audio Input Jack requires SYNC 3®
- Easy Fuel® Capless Fuel-Filler
- Ford Telematics™ – Includes Ford Ford. and complimentary 2-year trial subscription
- Front door tether straps (driver/passenger)
- Power pigtails harness
- Recovery Hooks; in front and trailer bar in rear
- Simple Fleet Key (w/o microchip easy to replace; 4-keys)
- Two-way radio pre-wire
- Two (2) 50 amp battery ground circuits – power distribution junction block (behind 2nd row passenger seat floorboard)
- Wipers – Front Speed-Sensitive Intermittent; Rear Dual Speed Wiper

* = New for this model year
# 2020 POLICE INTERCEPTOR UTILITY EQUIPMENT GROUP

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Police Interceptor Type</th>
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<tbody>
<tr>
<td>09/20/18</td>
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<tr>
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</tr>
<tr>
<td>99W/44B</td>
<td>S</td>
</tr>
<tr>
<td>99B/44U</td>
<td>O</td>
</tr>
<tr>
<td>99S/44U</td>
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</tr>
</tbody>
</table>

## AWD 3.3L V6 Direct-Injection FFV with 10-Speed Automatic Transmission (135-MPH Top Speed)

- **Note:** Deletes Regenerative Braking and Lithium-Ion Battery Pack, adds 250-Amp Alternator, replaces H7 AGM battery (800 CCA/80 amp) with H7 SLI battery (730 CCA/80 amp) and replaces 19-gallon tank with 21.4-gallon tank.

## AWD 3.0L V6 EcoBoost® with 10-Speed Automatic Transmission (148-MPH Top Speed)

- **Note:** Deletes Regenerative Braking and Lithium-Ion Battery Pack, adds 250-Amp Alternator, replaces H7 AGM battery (800 CCA/80 amp) with H7 SLI battery (730 CCA/80 amp) and replaces 19-gallon tank with 21.4-gallon tank.

## EQUIPMENT GROUP

### Interior Upgrade Package
- 14" and 2nd Row Carpet Floor Covering
- Cloth Seats - Rear
- Center Floor Console less shifter w/ unique Police console finish plate
- Includes Console and Top Plate with 2 cup holders
- Floor Mats, front and rear (carpeted)
- Deletes the standard console mounting plate (85D)
- SYN-C® 3:
  - Enhanced Voice Recognition Communications and Entertainment System
  - 4.2" Color LCD Screen Center-Stack "Smart Display"
  - AppLink®
  - 911 Assist®

**Note:** SYN-C® AppLink® lets you control some of your favorite compatible mobile apps with your voice. It is compatible with select smartphone platforms. Commands may vary by phone and AppLink® software.

**Note:** Not available with options: 67H, 67U, 65R

### Front Headlamp Lighting Solution
- Includes LED Low beam/high beam headlamp, Wig-wag function and Red/Blue/White LED side warning lights (driver’s side White/Red, passenger side White/Blue)
- Includes pre-wire for grille LED lights, sirens, and speaker (60A)
- Wiring, LED lights included, Controller "not included"

**Note:** Not available with option: 67H

**Note:** Recommend using Ultimate Wiring Package (67U)

### Tail Lamp / Police Interceptor Housing Only
- Pre-existing holes with standard twist lock sealed capability (does not include LED strobe) (eliminates need to drill housing assemblies)

**Note:** Not available with options: 66B and 67H

### Tail Lamp Lighting Solution
- Includes LED lights plus two (2) rear integrated hemispheric lighthead white LED side warning lights in tailamps
- LED lights only, Wiring, controller "not included"

**Note:** Not available with option: 67H

**Note:** Recommend using Ultimate Wiring Package (67U)

### Rear Lighting Solution
- Includes two (2) backlit flashing linear high-intensity LED lights (driver’s side red, passenger side blue) mounted to inside liftgate glass
- Includes two (2) backlit flashing linear high-intensity LED lights (driver’s side red, Passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open)
- LED lights only, Wiring, controller "not included"

**Note:** Not available with option: 67H

**Note:** LED lights only - does "not" include wiring or controller

**Note:** Recommend using Ultimate Wiring Package (67U)

### Ready for the Road Package:
- All-In Complete Package — Includes Police Interceptor Packages: 66A, 66B, 66C, plus
- Whelen Cencom Light Controller Head with dimmable backlight
- Whelen Cencom Relay Center / Siren / Amp w/Traffic Advisor control (mounted behind 2nd row seat)
- Light Controller / Relay Cencom Wiring (wiring harness) w/additional input/output pair(s)
- High current pigtail
- Whelen Specific W.E.Sc.A. Cable (connect to cargo area) connects Cencom to Control Head
- Pre-wiring for grille LED lights, sirens, and speaker (60A)
- Rear console plate (85R) — contours through 2nd row; channel for wiring
- Grille linear LED Lights (Red / Blue) and harness
- 100-Watt Siren / Speaker
- Hidden Door-Lock Plunger w/Rear-door controls operable (locks, handles and windows) (52P)

**Note:** Not available with options: 66A, 66B, 66C, 67U and 65U

### Ultimate Wiring Package
- **Includes the following:**
  - Rear console mounting plate (85R) — contours through 2nd row; channel for wiring
  - Pre-wiring for grille LED lights, sirens, and speaker (60A)
  - Wiring harness IP to rear cargo area (overlay)
  - Two (2) light cables — supports up to six (6) LED lights (engine compartment/grille)
  - One (1) 10-amp siren/speaker circuit engine cargo area
  - Rear hatch/cargo area wiring — supports up to six (6) rear LED lights
  - Does "not" include LED lights, side connectors or controller
- **Note:** Not available with options: 65U, 67H
<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Price</th>
<th>Remarks</th>
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<td>4DR AWD POLICE</td>
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<td>YZ</td>
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<td>6</td>
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Order No: 0001  Priority: E2  Ord FIN: QB163  Order Type: SB  Price Level: 015  Cust/Flt Name: PANAMA CTYBCH  PO Number: RETAIL  SP FLT ACCT CR  FUEL CHARGE  B4A  NET INV FLT OPT  NC  DEST AND DELIV  995  TOTAL BASE AND OPTIONS 39170  TOTAL 39170

*THIS IS NOT AN INVOICE*
VEHICLE ORDER CONFIRMATION

CNGP530 2020 EXPLORER 4-DOOR

Order No: 0001  Priority: E2  Ord FIN: QB163  Order Type: 5B  Price Level: 015
Ord Code: 500A  Cust/Flt Name: PANAMA CITY BCH
PO Number: RETAIL

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FUEL CHARGE

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TOTAL BASE AND OPTIONS 42700
TOTAL 42700

*THIS IS NOT AN INVOICE*

F1=Help  F2=Return to Order  F3/F12=Veh Ord Menu
F4=Submit  F5=Add to Library

S099 - PRESS F4 TO SUBMIT

V1DP0129 2,6

https://www.fincedalervt3270.ford.com/w2h/WEB2AJAX.htm+IMS2
Panama City Beach Police Department- Police Fleet Vehicles

Ten (10) 2019 Ford SUV Police Interceptors (Patrol specs)

The City of Panama City Beach hereby solicits sealed bids for the following equipment:

(10) Ten- 2019 Ford SUV Police Interceptors (Patrol specs)

PLEASE SEE SPECIFICATIONS LISTED.
BID SHOULD INCLUDE ONLY THOSE SPECS.

The Bids should include ALL fees, including delivery charges (if any).

The Original Bid Opening of October 18th passed and no bids were opened due to delayed mail delivery. A new Bid opening date has been set for November 1st at 10:00 A.M.

Any new Bids must be sealed and will be received until 10:00 A.M. Central Time, November 1, 2018 at the City of Panama City Beach Police Department, Attn: Captain Wayne Maddox, 17115 Panama City Beach Parkway, Panama City Beach, FL 32413, and will be opened and read publicly immediately thereafter.

The City reserves the right to reject any and all Bids and to waive and formality in Bids received. All Bidders shall comply with all applicable State and local laws concerning licensing, registration, and regulations of businesses in the State of Florida.

All Bids shall be firm and for a period of six (6) months after opening.

Advertisement Dates: Beginning October 18, 2018
SPECIFICATIONS NEEDED FOR THE 2019 FORD INTERCEPTORS SUV-K8A (PATROL)

2019 Ford Interceptor SUV-K8A

Spotlight (Driver’s side)

Keyless Entry

Auxiliary A/C

**Please note if any changes have been made to the previous year’s specifications for the 2019 model.**
Ads, Bids and RFQ's

Extended Notice to Bid - PD Fleet Vehicles 2019 Ford SUVs Police Interceptors

Category: Admin
RFP Number: 110118.PD SUV
Start Date: 10/18/2018 4:16 PM
Close Date: 11/01/2018 10:00 AM

Click tab to the left to view documents

Panama City Beach
Police Department
Police Fleet Vehicles

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Return to full list >>

http://www.pcbgov.com/Home/Components/RFP/RFP/2612/29
2018-2019 Vehicle Purchase Request

On November 1, 2018, I opened bids for vehicle purchase. We received three (3) bids from AutoNation Ford Mobile, Bozard Ford, and Beck Auto Sales. I am requesting we utilize the lowest qualified bid from Beck Auto Sales to purchase ten (10) Ford Explorer Police Interceptors at $31,900.00 each.

Captain Wayne Maddox
Patrol Division Commander

“Dedicated to Excellence”
<table>
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<td>319,000.00</td>
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<td>IN STOCK UNITS (WHITE)</td>
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<td>SPOTLIGHT (DRIVERS SIDE)</td>
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<td>KEYLESS ENTRY</td>
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<td>AUXILIARY A/C</td>
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</tbody>
</table>

Pretax Total: $31,900.00 319,000.00

Subtotal: 319,000.00

Total Each: 319,000.00

Model Total: 319,000.00

Please email all Purchase Orders to contractinfo@beckfleet.com
Thank you for your business!
1. **DEPARTMENT MAKING REQUEST/NAME:**
Panama City Beach Police Department

2. **MEETING DATE:**
December 13, 2018

3. **REQUESTED MOTION/ACTION:**
We respectfully request the Council's approval to utilize the Emergency Equipment bid submitted by HG2 Emergency Lighting.

4. **AGENDA**

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Public Hearing</th>
<th>Consent</th>
<th>Regular</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓</td>
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</tbody>
</table>

5. **IS THIS ITEM BUDGETED (IF APPLICABLE)?**
   - Yes [✓] No [ ]
   - Budget Amendment or N/A
   - Detailed Budget Amendment Attached
   - Yes [✓] No [ ]
   - N/A [ ]

6. **BACKGROUND:** **(WHY IS THE ACTION NECESSARY, WHAT GOAL WILL BE ACHIEVED)**
We respectfully request the Council's approval to utilize the Emergency Equipment bid submitted by HG2 Emergency Lighting. This was the only qualified bid received for this purchase and will equip three (3) new vehicles at price of $25,788.00.
2018 Vehicle Emergency Equipment Installation Purchase Request

On October 3, 2018, I opened bids for Emergency Equipment Installation. We received one (1) qualified bid from HG2 Emergency Lighting. I am requesting we utilize the qualified bid from HG2 Emergency Lighting for this purchase.

Captain Wayne Maddox
Patrol Division Commander

“Dedicated to Excellence”
Panama City Beach Police Department

Attn: Captain Wayne Maddox
17115 Panama City Beach Parkway
Panama City Beach, FL 32413

Police Fleet Vehicle Equipment Install Services

Due Date: October 3, 2018

Submitted by:
Ali Bhojani
Director of Sales
# Vehicle Quote

## Marked Patrol Units FordInterceptor SUV

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<tr>
<th>Item Description</th>
<th>Make/Model</th>
<th>Price</th>
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<tbody>
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<td>Whelen 48&quot; Liberty 2Way/Can Lightbar Blue/Blue with Alays and Takedown</td>
<td>1W68B-BB $1,800.00</td>
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<tr>
<td>Light Controller</td>
<td>Whelen Light &amp; Siren Controller</td>
<td>2SL5SA6 - -</td>
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<tr>
<td>Speaker</td>
<td>Whelen 100 Watt Speaker</td>
<td>SA315 - -</td>
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<tr>
<td>Side Runners</td>
<td>HG2 Emergency Lighting 68&quot; Blue/Blue Side Runner Lights</td>
<td>HG2P68BB $699.00</td>
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<tr>
<td>Rear Window Lights</td>
<td>HG2 Emergency Lighting Rear Visor with Rock Stop Lights</td>
<td>HG2RWE1TUV-BB $699.00</td>
</tr>
<tr>
<td>Rear Cargo Window Lights</td>
<td>HG2 Emergency Lighting Rear Side Cargo Window Lights</td>
<td>HG2Q2RPNL-BB $499.00</td>
</tr>
<tr>
<td>Rear License Plate</td>
<td>HG2 Emergency Lighting Crossfire License Plate Rear Frame Rear</td>
<td>HG2CROSSFIRE-BB $359.00</td>
</tr>
<tr>
<td>Fog Lights</td>
<td>HG2 Emergency Lighting Blue/Blue Fog Lights</td>
<td>HG2CROSSFIRE-BB $499.00</td>
</tr>
<tr>
<td>Sidebars</td>
<td>Whelen Vertex in Head Lights &amp; Tail Lights Blue Qty:4</td>
<td>VTX609B $260.00</td>
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<tr>
<td>Rear Transport Seat</td>
<td>Rear Transport Seat (Setina)</td>
<td>QK0M5451U2 $649.00</td>
</tr>
<tr>
<td>Prisoner Partition</td>
<td>Prisoner Partition (Setina) 12&quot; with Chicago Grill</td>
<td>PK1130TUL25CA $599.00</td>
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<td>Rear Cargo Divider</td>
<td>Rear Cargo Divider (Setina) 12&quot;</td>
<td>PK1130TUL22ND $499.00</td>
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<tr>
<td>Thor Power Inverter</td>
<td>Thor Power Inverter (750 W)</td>
<td>TH750 $55.00</td>
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<tr>
<td>Stinger Flashlight Charger</td>
<td>Stinger Flashlight Charger</td>
<td>SL91300, SL2250V $25.00</td>
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<tr>
<td>Gun Rack</td>
<td>Setina T-Rail Mount 1 Standard Shotgun Lock, 1 Standard Rifle</td>
<td>G111V181SSSCCA $409.00</td>
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<tr>
<td>Center Console/Laptop Motion</td>
<td>Center Console with Cupholder, Arm Rest and Mongoose Motion Device (Cam)</td>
<td>7120-0356 $450.00</td>
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<tr>
<td>Laptop Docking Station</td>
<td>Gamber Johnson Headset V</td>
<td>7160-0250 $250.00</td>
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<tr>
<td>Window Tint</td>
<td>Window Tint 2 Front Windows &amp; Front Strip</td>
<td>WIND07NT $99.00</td>
</tr>
<tr>
<td>Graphics</td>
<td>Vehicle Graphics</td>
<td>VEH-DCL $499.00</td>
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<tr>
<td>Labor</td>
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<td>Total Price</td>
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## Marked AWD Pick Up Truck

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<tr>
<th>Item Description</th>
<th>Make/Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Windshield</td>
<td>HG2 Emergency Lighting 1 Piece Front Visor Light Blue/Blue with Takedown</td>
<td>HG2FWE1TUV-BBB $759.00</td>
</tr>
<tr>
<td>Side Runners</td>
<td>HG2 Emergency Lighting 72&quot; Blue/Blue Side Runner Lights</td>
<td>HG2P72BB $699.00</td>
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<tr>
<td>Rear Window Lights</td>
<td>HG2 Emergency Lighting Rear Window Light</td>
<td>HG2RWE1TUV-BB $699.00</td>
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<tr>
<td>Rear Tailgate Lights</td>
<td>HG2 Emergency Lighting Rear Tailgate Lights</td>
<td>HG22T32-BB $399.00</td>
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<td>Rear License Plate</td>
<td>HG2 Emergency Lighting Crossfire License Plate Rear Frame Rear</td>
<td>HG2CROSSFIRE-BB $359.00</td>
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<tr>
<td>Front License Plate</td>
<td>HG2 Emergency Lighting Crossfire License Plate Front Frame Front</td>
<td>HG2CROSSFIRE-BB $359.00</td>
</tr>
<tr>
<td>Fog Lights</td>
<td>HG2 Emergency Lighting Blue/Blue Fog Lights</td>
<td>HG2CROSSFIRE-BB $499.00</td>
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<tr>
<td>Sidebars</td>
<td>Whelen Vertex in Tail Lights Blue Qty:2 and LED Spotlight Bulb</td>
<td>VTX609B/LED2LB $260.00</td>
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<tr>
<td>Light Controller</td>
<td>Whelen 255SSLSA6 Handheld Siren</td>
<td>HHS220D $310.00</td>
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<tr>
<td>Speaker</td>
<td>Whelen 100 Watt Speaker</td>
<td>SA315 $150.00</td>
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<tr>
<td>Graphics</td>
<td>Vehicle Graphics</td>
<td>VEH-DCL $499.00</td>
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<tr>
<td>Console</td>
<td>Gamber Johnson Console with Wiring Case and Motion Device, Armrest</td>
<td>7120-0237-04 $475.00</td>
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<tr>
<td>Laptop Docking Station</td>
<td>Gamber Johnson Headset V</td>
<td>7160-0250 $250.00</td>
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<tr>
<td>Inverter</td>
<td>Thor Power Inverter (750 W)</td>
<td>TH750 $55.00</td>
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<tr>
<td>Window Tint</td>
<td>Window Tint 2 Full Truck Plus Front Strip</td>
<td>WIND07NT $189.00</td>
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<tr>
<td>Gun Rack</td>
<td>Setina T-Rail Mount 1 Standard Shotgun Lock, 1 Standard Rifle</td>
<td>G111V181SSSCCA $499.00</td>
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<tr>
<td>Labor</td>
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## Unmarked Units Dodge Charger

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Make/Model</th>
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<tbody>
<tr>
<td>Front Windshield</td>
<td>HG2 Emergency Lighting 1 Piece Front Visor Light Blue/Blue with Takedown</td>
<td>HG2FWE1TUV-BBB $759.00</td>
</tr>
<tr>
<td>Side Runners</td>
<td>HG2 Emergency Lighting 68&quot; Blue/Blue Side Runner Lights</td>
<td>HG2P68BB $699.00</td>
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<tr>
<td>Rear Window Lights</td>
<td>HG2 Emergency Lighting Rear Visor</td>
<td>HG2RWE1TUV-BB $699.00</td>
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<td>Rear Cargo Window Lights</td>
<td>HG2 Emergency Lighting Rear Side Cargo Window Lights</td>
<td>HG2Q2RPNL-BB $499.00</td>
</tr>
<tr>
<td>Rear License Plate</td>
<td>HG2 Emergency Lighting Crossfire License Plate Rear Frame Rear</td>
<td>HG2CROSSFIRE-BB $359.00</td>
</tr>
<tr>
<td>Fog Lights</td>
<td>HG2 Emergency Lighting Blue/Blue Fog Lights</td>
<td>HG2CROSSFIRE-BB $499.00</td>
</tr>
<tr>
<td>Winch-Wag</td>
<td>Winch-Wag Headlights, Tail Lights, Corner Markers and Reverse Lights</td>
<td>HG2WONG-CMR $260.00</td>
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<tr>
<td>Light Controller</td>
<td>Whelen H92210 Handheld Siren</td>
<td>HHS220D $320.00</td>
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<tr>
<td>Window Tint</td>
<td>Window Tint 4 Full Vehicle with Front Strip</td>
<td>WIND07NT $189.00</td>
</tr>
<tr>
<td>Speaker</td>
<td>Whelen 100 Watt Speaker</td>
<td>SA315 $150.00</td>
</tr>
<tr>
<td>Gun Rack</td>
<td>Setina T-Rail Mount 1 Standard Shotgun Lock, 1 Standard Rifle</td>
<td>G111V181SSSCCA $499.00</td>
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<tr>
<td>Labor</td>
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<td>Total Package Price</td>
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**Quote Issued by:** All Bhojani

**HG2 Emergency Lighting**

477 N Semoran Blvd
Orlando, FL 32807
407-666-4569

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$110,999.00

$1,441.69
Panama City Beach Police Department- Police Fleet Vehicle Equipment Install Services

The City of Panama City Beach hereby solicits sealed bids for the following equipment install services for the below vehicles:

1. One- Un-Marked Dodge Charger
2. Five- Marked Chevy Silverado, Ford F-150 or Dodge Ram 4WD
3. Ten- Marked Patrol Ford SUV Police Interceptors

PLEASE SEE ATTACHED SPECIFICATION SHEET FOR THE EQUIPMENT NEEDED FOR EACH VEHICLE CATEGORY: ALSO ATTACHED ARE PHOTOGRAPHS FOR OUR CURRENT DECAL SCHEME NEEDED WHICH WILL BE NEEDED FOR ALL MARKED VEHICLES.

The Bids should include ALL fees, including delivery charges (if any).

Bids must be sealed and will be received until 12:00 P.M. (noon) Central Time, October 3, 2018 at the City of Panama City Beach Police Department, Attn: Captain Wayne Maddox, 17115 Panama City Beach Parkway, Panama City Beach, FL 32413, and will be opened and read publicly immediately thereafter.

The City reserves the right to reject any and all Bids and to waive and formality in Bids received. All Bidders shall comply with all applicable State and local laws concerning licensing, registration, and regulations of businesses in the State of Florida.

All Bids shall be firm and for a period of six (6) months after opening.

Advertisement Dates: Beginning September 14, 2018