REGULAR MEETING AGENDA
City of Black Hawk City Council
211 Church Street, Black Hawk, CO

October 23, 2019

BUDGET WORK SESSION
2:00 p.m.

REGULAR MEETING
Immediately following Budget Work Session

RINGING OF THE BELL:

1. CALL TO ORDER:

2. ROLL CALL & PLEDGE OF ALLEGIANCE:

3. AGENDA CHANGES:

4. CONFLICTS OF INTEREST: (Council disclosures are on file w/City Clerk & Sec. of State)

5. PUBLIC COMMENT: Please limit comments to 5 minutes

6. APPROVAL OF MINUTES: October 9, 2019

7. PUBLIC HEARINGS:

   A. CB23, An Ordinance Amending the City of Black Hawk Municipal Code, Chapter 15 – Sign Code (Continuance Recommended)

8. ACTION ITEMS:

   A. Resolution 74-2019, A Resolution Accepting the Bid from Triple C Communications for the Purchase of Kenwood Mobile and Pack Set Radios in an Amount Not to Exceed $136,982.39

9. CITY MANAGER REPORTS:

10. CITY ATTORNEY:

11. EXECUTIVE SESSION:

12. ADJOURNMENT:

MISSION STATEMENT
The mission of the City of Black Hawk is to progressively provide cost effective programs and services of the highest quality to the community
Senior Water Engineer Jim Ford rang the bell to open the meeting.

1. CALL TO ORDER: The regular meeting of the City Council was called to order on Wednesday, October 9, 2019, at 3:00 p.m. by Mayor Spellman.

2. ROLL CALL: Present were: Mayor Spellman, Aldermen Armbright, Bennett, Johnson, Midcap, Moates, and Torres.

Staff present: City Attorney Hoffmann, City Manager Cole, Fire Chief Woolley, Police Chief Lloyd, Finance Director Hillis, City Clerk/Administrative Services Director Greiner, Public Works Director Isbester, Senior Civil Engineers Ford and Reed, Community Planning & Development Administrator Linker, and Deputy City Clerk Martin.

PLEDGE OF ALLEGIANCE: Mayor Spellman led the meeting in the recitation of the Pledge of Allegiance.

3. AGENDA CHANGES: Deputy City Clerk Martin confirmed there were no changes to the agenda.

4. CONFLICTS OF INTEREST: City Attorney Hoffmann asked Council to declare any Conflicts of Interest on any issue appearing on the agenda this afternoon other than those previous disclosures and conflicts that have already been disclosed and are on file with the City Clerk and Secretary of State. No conflicts were noted from City Council.

City Attorney Hoffmann asked the audience if there were any objections to any member of Council voting on any issue on the agenda this afternoon. The audience had no objections.

5. PUBLIC COMMENT: Deputy City Clerk Martin confirmed that no one had signed up to speak.
6. APPROVAL OF MINUTES: September 25, 2019

MOTION TO APPROVE
Alderman Armbright MOVED and was SECONDED by Alderman Bennett to approve the Minutes as presented.

MOTION PASSED
There was no discussion, and the motion passed unanimously.

7. PUBLIC HEARINGS:
None

8. ACTION ITEMS:

A. Resolution 70-2019, A Resolution Approving the City of Black Hawk Fee Schedule, as Amended

Mayor Spellman read the title.

Community Planning & Development Administrator Linker and Fire Chief Woolley presented their proposed changes. Ms. Linker said that recent legislation had passed to allow jurisdictions to set their own electrical fees if they are conducting their own inspections, so on advice from SAFEbuilt, the City’s contracted Building Inspectors, the suggested changes were highlighted in the proposed schedule. She said one item to note was the deletion of the reference to the state’s electrical fees.

Chief Woolley explained his expansion on the fees to accommodate for inspections the department is performing on a regular basis, as opposed to trying to capture those fees afterward. Also, he said, he added more sections for fire sprinklers and fire systems instead of changing building plan review fees for those circumstances.

MOTION TO APPROVE
Alderman Johnson MOVED and was SECONDED by Alderman Torres to approve Resolution 70-2019, a Resolution approving the City of Black Hawk Fee Schedule, as amended.

MOTION PASSED
There was no discussion, and the motion PASSED unanimously.
B. Resolution 71-2019, A Resolution Approving the Reclassification of the Position of Community Planning and Development Administrator to Community Planning and Development Director

Mayor Spellman read the title.

City Clerk/Administrative Services Director Greiner introduced this item on behalf of City Manager Cole in order to better reflect Ms. Linker’s current duties and responsibilities.

Alderman Torres commented on the Driver’s License section of the description and thought it should be located elsewhere. Mayor Spellman suggested talking with City Manager Cole and City Attorney Hoffmann on this separate from the Resolution.

MOTION TO APPROVE

Alderman Armbright MOVED and was SECONDED by Alderman Bennett to approve Resolution 71-2019, a Resolution approving the reclassification of the position of Community Planning and Development Administrator to Community Planning and Development Director.

MOTION PASSED

There was no discussion, and the motion PASSED unanimously.

C. Resolution 72-2019, A Resolution Approving the Judges Selected to Serve for the Special Municipal Election in the City of Black Hawk on November 5, 2019

Mayor Spellman read the title.

City Clerk/Administrative Services Director Greiner explained the requirement for election judges for the City’s upcoming Special Election on November 5.

MOTION TO APPROVE

Alderman Bennett MOVED and was SECONDED by Alderman Torres to approve Resolution 72-2019, a Resolution approving the judges selected to serve for the Special Municipal Election in the City of Black Hawk on November 5, 2019.

MOTION PASSED

There was no discussion, and the motion PASSED unanimously.


Mayor Spellman read the title.
Finance Director Hillis introduced this item to increase commercial user water rates. He said it had been over ten years since the rates have increased, and if approved, they would go into effect on January 1. He said this would repay the General Fund, which has transferred over $11,500,000 to capital water system projects and create a true Water Enterprise Fund.

**MOTION TO APPROVE**

Alderman Johnson **MOVED** and was **SECONDED** by Alderman Armbright to approve Resolution 73-2019, a Resolution establishing water rates pursuant to Section 12-23 of the Black Hawk Municipal Code.

**MOTION PASSED**

There was no discussion, and the motion **PASSED** unanimously.

9. **CITY MANAGER REPORTS:**

City Manager Cole noted for the record that the 2020 proposed annual budget had been distributed to Council. A 2:00 Budget Work Session has been scheduled on October 23rd, with formal adoption on November 13th.

10. **CITY ATTORNEY:**

City Attorney Hoffmann added that by delivering the budget today, the City satisfies its legal obligation to provide to City Council before October 15th.

11. **EXECUTIVE SESSION:**

City Attorney Hoffmann recommended items number 2 and 5 only for Executive Session, and the specific legal issue relates to land use issues.

**MOTION TO ADJOURN INTO EXECUTIVE SESSION**

Alderman Bennett **MOVED** and was **SECONDED** by Alderman Johnson to adjourn into Executive Session at 3:13 p.m. to hold a conference with the City’s attorney to receive legal advice on specific legal questions, pursuant to C.R.S. § 24-6-402(4)(b), and to determine positions relative to matters that may be subject to negotiations, develop a strategy for negotiations, and/or instruct negotiators, pursuant to C.R.S. § 24-6-402(4)(e).

**MOTION PASSED**

There was no discussion, and the motion **PASSED** unanimously.

**MOTION TO ADJOURN**

Alderman Bennett **MOVED** and was **SECONDED** by Alderman Johnson to adjourn the Executive Session at 3:55 p.m.
MOTION PASSED

There was no discussion, and the motion **PASSED** unanimously.

12. ADJOURNMENT:

Mayor Spellman declared the Regular Meeting of the City Council closed at 3:55 p.m.

Melissa A. Greiner, CMC  
City Clerk

David D. Spellman  
Mayor
COUNCIL BILL 23
ORDINANCE 2019-23
AN ORDINANCE
AMENDING THE CITY OF
BLACK HAWK
MUNICIPAL CODE,
CHAPTER 15 – SIGN CODE
(continuance recommended)
RESOLUTION 74-2019
A RESOLUTION
ACCEPTING THE BID
FROM TRIPLE C
COMMUNICATIONS FOR
THE PURCHASE OF
KENWOOD MOBILE AND
PACK SET RADIOS IN AN
AMOUNT NOT TO
EXCEED $136,982.39
STATE OF COLORADO
COUNTY OF GILPIN
CITY OF BLACK HAWK

Resolution No. 74-2019

TITLE: A RESOLUTION ACCEPTING THE BID FROM TRIPLE C COMMUNICATIONS FOR THE PURCHASE OF KENWOOD MOBILE AND PACK SET RADIOS IN AN AMOUNT NOT TO EXCEED $136,982.39

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BLACK HAWK, COLORADO, THAT:

Section 1. The City Council hereby accepts the bid from Triple C Communications for the purchase of Kenwood mobile and pack set radios in an amount not to exceed $136,982.39 to upgrade the radio communications system radio consoles in the communications center to 800 MHZ (DTRS) for the City of Black Hawk Police, Fire, and Public Works Departments.

RESOLVED AND PASSED this 23rd day of October, 2019.

________________________________________
David D. Spellman, Mayor

ATTEST:

________________________________________
Melissa A. Greiner, CMC, City Clerk
SUBJECT: Purchase of 700/800 MHz Digital Radios for the City of Black Hawk Police Department, Fire Department and Public Works to upgrade the radio communications system radio consoles in the communications center to 800 MHZ (DTRS).

RECOMMENDATION: Staff recommends the following motion to the Mayor and Board of Aldermen: Accept bid from Triple C Communications, Inc. for Kenwood radios in the amount of $136,982.39.

MOTION TO APPROVE Resolution 74-2019 accepting the Bid from Triple C Communications for the purchase of Kenwood mobile and pack set radios in an amount not to exceed $136,982.39.

SUMMARY AND BACKGROUND OF SUBJECT MATTER: The City of Black Hawk in conjunction with Clear Creek County Sheriff’s Department and the Gilpin County Sheriff’s has shared the same radio system LCORE for over a decade on a VHF radio system. With the aging system and increased cost to the radio maintenance, the city is migrating to the State of Colorado’s DTRS system, also known as 800MHZ radios. The DTRS system will have lower annual maintenance costs and will allow interoperability with many law, fire and emergency services throughout the state. The City will transition to the DTRS system at the same time as Gilpin and Clear Creek County Sheriff’s Departments do in March 2020. As part of the transition the City’s communication equipment must be upgraded to 800MHz radio equipment.

City staff received quotes for 47 portable radios and 65 mobile radios from three qualified vendors. Triple C Communications bid for Kenwood radios at a cost of $136,982.39, Complete Wireless Technologies bid Harris radios at a cost of $210,967.32 and Motorola Solutions bid Motorola radios at $228,731.31. All three radios, Kenwood, Harris and Motorola all meet required specifications for the City of Black Hawk and the DTRs radio system.

AGENDA DATE: October 23, 2019

WORKSHOP DATE: N/A

FUNDING SOURCE: N/A

DEPARTMENT DIRECTOR APPROVAL: [X] Yes [ ] No

STAFF PERSON RESPONSIBLE: Chief Kenneth Lloyd

DOCUMENTS ATTACHED: DTRS Radio Implementation worksheet
Triple C Communications, Inc. Radio quote
Complete Wireless Technologies Radio quote
Motorola Solutions Radio quote
RECORD:  [ ] Yes  [X] No

CITY ATTORNEY REVIEW:  [X] Yes  [ ] N/A

SUBMITTED BY:  

Kenneth E. Lloyd, Chief of Police

REVIEWED BY:  

Stephen N. Cole, City Manager
DTRS Radio Implementation

**GOALS:**

- Change over City of Black Hawk Radio users from VHF to DTRS
- Purchase Radios compatible with 700/800 Radio System for City of Black Hawk
- Purchase Digital recording system
- Sign Motorola Contract for Console upgrade and access to DTRS Network System
- Equipment review and processing BIDs

**TIMELINE:**

- Order Equipment from final vendor – October – December 2019
- Issuance of equipment and change over from VHF to DTRS January 1 – March 31, 2020

**STAKEHOLDERS:**

- Black Hawk Police Department
- Black Hawk Fire Department
- Public Works/Water Department

**VENDORS:**

- **Complete Wireless Technologies - Harris Radio Corporation - $210,967.32**
  - Portable Radio – 47 – Harris Portable XG-25P, 764-870 MHZ
  - Mobile Radio – 65 – Harris Mobile XG-25M, 700/800 MHz35W
  - Installation of Mobile Radios
  - 4 Bank Chargers
  - Belt Clips – 47
  - Spare Batteries
  - 36 Shoulder Mics
  - 14 Desktop Chargers
- **Triple C Communications - Kenwood Radio Corporation – $136,982.39**
  - Portable Radio – 47 – NX5400K2 700/800 MHZ Standard Key Model
  - Mobile Radio – 65 – NX-5900 Fixed Mount Mobile 700/800 MHZ
  - Installation of Mobile Radios
  - 4 Bank Chargers
  - Belt Clips - 47
  - Spare Batteries
  - 36 Shoulder Mics
  - 14 Desktop Chargers

- **Motorola Radio Corporation - $228,731.31**
  - Portable Radio – 47 – APX4000 700/800 MHZ
  - Mobile Radio – 65 – APX4500 700/800 MHZ
  - Installation of Mobile Radios
  - 4 Bank Chargers
  - Belt Clips – 47
  - Spare Batteries
  - 36 Shoulder Mics
  - 14 Desktop Chargers

**VENDOR RECOMMENDATION:**

- Triple C Communications
  - Kenwood Radio Corporation - $136,982.39

**Console Upgrade and Access to 800MHZ DTRS Network:**

- Motorola Console Upgrade: $67,101.00

**Equature 800MHZ Recording System:**

- Recording system: $30,633.00

**SUBMITTED BY:** Commander Tory Jantz

**DOCUMENTS ATTACHED:**

- Vendor BIDS
## Triple C Communications, Inc.

96 Inverness Drive East  
Suite C  
Englewood, CO 80112  
303 850-9000  Fax: 303 792-0442

### Estimate

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| Rep | GP |

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### Provided To:

Black Hawk Police Department  
Commander Tory Jantz  
221 Church Street  
Black Hawk, CO 80422

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This quote expires 60 days from the date of the quote

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<td>NX-5400K2-DPD...</td>
<td>Kenwood 700/800MHz Digital &amp; FM Analog Portable Radio 3.0 Watt Analog, Standard Keypad model with KSC-32, KRA-32K, KNB-L2,P1 Trunking KWD-5100CV, KWD-5101TR Software License Keys and KBH-11 Belt clip</td>
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<td>MOBILE RADIOS</td>
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<td>NX-5900-DPD P... 700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C Trunking (includes: KCH-19M, KMC-35, KMB-33M, and KCT-23M) Kenwood License key for Conventional P25 (KWD-5100CV) and Kenwood License Key for P25 Trunking (KWD-5101TR)</td>
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| Labor | 500.00 |

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**Total** $136,982.39

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I accept the quotation.  
Signed: ______________________ Date: __________  
Name: ______________________  
Title: ______________________  
Email: ______________________

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Thank you for considering our company. If you decide not to buy from us, we would appreciate feedback so that we can serve you better in the future!
**Complete Wireless Technologies**  
621C Innovation Circle  
Windsor, CO 80550

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<tr>
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<td>Tory Jantz</td>
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<td>PO Box 68</td>
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<td>Black Hawk, CO 80422</td>
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**Subtotal**  
**Sales Tax (0.0%)**  
**Total**

**Signature:**

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**Signature:**

**Fax #** 970.686.7746  **Web Site** www.compwiretech.com  **E-mail** receivable@compwiretech.com

**Subtotal**

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Page 2 16 of 24
## Complete Wireless Technologies
**621C Innovation Circle**  
**Windsor, CO 80550**

**Quotation**

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**Name / Address**  
Black Hawk Police Dept.  
Tory Jantz  
PO Box 68  
221 Church St.  
Black Hawk, CO 80422

**Ship To**  
Black Hawk Police Dept.  
Tory Jantz  
221 Church St.  
Black Hawk, CO 80422

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<th>Phone #</th>
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Tory Jantz  
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Pricing valid for 30 days from Quotation date.

**Signature:**

Signature is an acceptance for delivery of goods and payment of invoice for products listed.

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<tr>
<th>Fax #</th>
<th>Web Site</th>
<th>E-mail</th>
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<td>970.686.7746</td>
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<td><a href="mailto:receivable@compwiretech.com">receivable@compwiretech.com</a></td>
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**Subtotal**

$210,967.32

**Sales Tax (0.0%)**

$0.00

**Total**

$210,967.32
Billing Address:  
BLACK HAWK POLICE DEPT, CITY OF  
PO BOX 68  
BLACK HAWK, CO 80422  
US  

Customer:  
BLACK HAWK POLICE DEPT, CITY OF  
Tory Jantz  

Contract: 19860 - NASPO

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Grand Total $228,731.31(USD)

Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the "Underlying Agreement") that authorizes Customer to purchase equipment and/or services or license software (collectively "Products"). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of use and Purchase Terms and Conditions govern the purchase of the Products.
The design, technical, pricing, and other information ("Information") furnished with this budgetary submission is proprietary and/or trade secret information of Motorola Solutions, Inc. ("Motorola Solutions") and is submitted with the restriction that it is to be used for evaluation purposes only. To the fullest extent allowed by applicable law, the Information is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the Information without the express written permission of Motorola Solutions. The Information provided in this budgetary submission is provided for evaluation purposes only and does not constitute a binding offer to sell or license any Motorola Solutions product or services. Motorola Solutions is making no representation, warranties, or commitments with respect to pricing, products, payment terms, credit, or terms and conditions. A firm offer would require more information and further detailed analysis of the requirements.
The primary objective of this proposal is to provide the City of Black Hawk with a migration path to transition its existing dispatch center to the State of Colorado’s DTR system. Black Hawk currently operates a two (2) position MCC 7500 based dispatch site which is supported by an Astro Release 7.15 L-Core master site. Additionally, this proposal includes an optional component associated with providing continued access to the existing system’s VHF resources.

The first component of this proposal includes the necessary software upgrades to bring the dispatch site from its current Astro 7.15 release to match the State’s Astro release. Based upon the perceived timing of this proposal’s execution it is currently assumed that the State’s system will be at Astro 7.18. Software upgrades have been proposed for Black Hawk’s following devices: a GCP 8000 Conventional Site Controller, SDM 3000 AUX I/O, and two (2) MCC 7500 dispatch applications. Additionally, the two (2) MCC 7500 operator positions (OPs) will receive additional licensing for trunking operations to support communications with the State’s predominantly trunking-based system. One (1) MCC 7500 core license bundle, supporting up to five (5) OPs, is also included for the CO DTRS core to support the addition of this dispatch site. The Astro 7.18 release requires that all PCs feature the Windows 10 operating system and has also only certified HP’s Z2 Mini PCs for deployment with this release. As Black Hawk dispatch currently utilizes HP Z420 PCs featuring Windows 7 a complement of two (2) new Windows 10 based Z2 Mini PCs have been proposed as a replacement.

**OPTIONAL - Interface to the existing VHF RF System**

This proposal also includes an optional component for further consideration to provide continued access to the VHF system’s resources after migrating to CO DTRS. The optional component has been replicated in the quote to Gilpin County and was already included in the base price of the quote to Clear Creek County. As this component provides beneficial access to the VHF system for all three agencies the associated cost is represented independently to support separate discussions between the agencies to split this cost amongst themselves, if so desired.

In order to accomplish this interface the State system will be required to support a new conventional only site located at Miners Mesa. Miners Mesa currently features all of the existing VHF system’s 14 analog conventional comparators providing 4-Wire resources utilized to access the RF system as well as one (1) v.24 digital resource. In order to provide access to these resources two (2) GGM 8000s with 8-Port enhanced conventional channel gateway (ECCGW) cards are included with this design to provide 16 4-Wire or v.24 interfaces to support the existing system’s 15 resources. The networking equipment required to support this conventional site has also been included.
PROPOSED EQUIPMENT

The proposed system is comprised of the following summary of equipment:

- **CO DTRS Master Site License:**
  - One (1) MCC7100/7500 Console Licenses (5 Positions)

**Black Hawk Dispatch Software/Hardware:**

- One (1) GCP 8000 Software Upgrade to 7.18
- One (1) SDM 3000 Firmware Upgrade to 7.18
- Two (2) MCC 7500 Dispatch Software Upgrades to 7.18
- Two (2) MCC 7500 Trunking Operation Field Add-on Licenses
- Two (2) HP Z2 Mini PCs

**OPTIONAL - Interface to the existing VHF RF System:**

- One (1) Juniper SRX345 Site Router
- One (1) HP Aruba 2930F Site Switch
- Two (2) GGM 8000s w/ 8-Port ECCGW Modules

**ASSUMPTIONS**

Motorola Solutions has made a number of assumptions in preparing this proposal, which are noted below. Motorola Solutions will need to verify all assumptions or seek alternate solutions in the case of inaccurate assumptions.

- All existing sites or equipment locations will have sufficient space available for the system described as required/specified by Motorola’s R56 Guidelines for Communications Sites.
- All existing sites or equipment locations will have adequate electrical power in the proper phase and voltage and site grounding to support the requirements of the system described.
  - All equipment will be provided with a 120 VAC power source
- This proposal is contingent upon the simultaneous migration of all agencies from the existing L-Core master site. A change order may be required if any agency will require continued use of the L-Core to support its dispatch site. The VHF channel resources can only be tied to one system at a time without employing an audio bridge. Alternatively, it is possible to retain a subset of VHF channels on the L-Core to support an individual agency while migrating only the VHF channels required by the agencies migrating to the CO DTRS system.
- This proposal includes no microwave or other network backhaul components as it is assumed that all required site connectivity to the core shall be in place at the time of implementation. Black Hawk Dispatch and Miners Mesa are both expected to be presented with native Ethernet based backhaul providing connectivity to the CO DTR system. The proposal is additionally contingent upon the State having a backhaul link present at Miners Mesa at the time of implementation. This proposal does not include
any services that may otherwise be necessary to reconfigure the existing DS3 based microwave system to provision a properly sized link nor any additional T1 to Ethernet conversion devices to support an elegant cutover. A change order will be required to account for those costs if the latter form of connectivity or some other form of previously undiscussed network backhaul is required.

- At least one (1) NEMA 5-15 grounded power outlet is at Miners Mesa to support the new power strip included to support the proposed equipment at this location.
- It is assumed that the existing console furniture at Black Hawk dispatch will be capable of supporting the smaller form factor (compared to HP Z420 towers) HP Z2 Mini PCs
- It is assumed that Black Hawk dispatch’s current dispatch hardware configuration has not changed significantly since its initial install.
- The 19” equipment racks currently present at Miners Mesa are currently assumed to feature more than sufficient space to support the 4RU required by the new conventional only site.
- It is assumed that backup power sources, or modifications to existing sources, for the proposed equipment is not required as part of this proposal.
- It is assumed that no encrypted resources will be utilized by Black Hawk after migration to CO DTRS.
- This proposal does not entail the services necessary to fully commission the L-Core master site, at this time. Additional discussions and pricing are required to fully explore when or how the L-Core will be decommissioned.
- No spares have been included at this time

SYSTEM IMPLEMENTATION

Motorola has included System Integration services as part of this budgetary. These services include:

- Installation, optimization, and programming of all new dispatch software and hardware
- Network integration into the Colorado DTR system
- Acceptance Testing of dispatch equipment
- Project Management, System Technologist, Post Sale Engineering Support

BUDGETARY ESTIMATE

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment and Implementation services- Dispatch Migration</td>
<td>$69,682.00</td>
</tr>
<tr>
<td>Optional – Miners Mesa Equipment and Implementation Services</td>
<td>$60,000.00</td>
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</tbody>
</table>

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