

**COMMITTEE OF THE WHOLE**

**JANUARY 17, 2023**

**6:00 PM**

1. Ordinance process

**NOTICE FOR, AND AGENDA FOR, A REGULAR MEETING OF THE CITY COMMISSION,  
CITY OF LEWISTOWN, JANUARY 17, 2022 AT 7:00 P.M. AT THE CENTRAL MONTANA  
COMMUNITY CENTER LOCATED AT 307 W WATSON**

**To participate virtually the options are as follows:**

**To join by zoom:** <https://zoom.us/j/8486275925?pwd=dTVGbndDK253ZUJLMjRuZXU5QVpMdz09>

**Meeting ID: 848 627 5925 Passcode: 59457**

**To participate by phone: dial (253) 215-8782 Meeting ID: 848 627 5925 Passcode: 59457**

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**ROLL CALL**

**APPROVAL OF MINUTES –January 3, 2023**

**COURTESIES**

**PROCLAMATIONS**

**BOARD AND COMMISSION REPORTS**

**CITY MANAGER REPORT**

**PUBLIC COMMENT – non agenda items**

**CONSENT AGENDA**

Acknowledgment of the claims that have been paid from January 1, 2023 to January 12, 2023 for a total of \$76,802.63

**\*REGULAR AGENDA – Resolutions, Ordinances & Other Action Items:**

1. Discussion and action on approving a business license for NXT LVL Electrical Solutions

(**Action: approve, disapprove or amend approving a business license for NXT LVL Electrical Solutions**) City Manager Holly Phelps

2. Discussion and action on approving Resolution No. 4109, a resolution adopting fees and charges

for the Lewistown City Cemetery (**Action: approve, disapprove or amend Resolution No. 4109**)  
City Manager Holly Phelps

3. Discussion and action on Resolution No. 4111, a resolution appointing successor trustees to

Lewistown Tourism Business Improvement District No. 1 (**Action: approve, disapprove or amend Resolution No. 4111**) City Manager Holly Phelps

4. Discussion and action on entering into the Motorola contract for the 800 MHz system (**Action:**

**approve, disapprove or amend entering into the Motorola contract**) City Manager Holly Phelps

**CITIZENS' REQUESTS**

**COMMISSIONER'S MINUTE**

**ADJOURNMENT**

\* All citizens are invited to make comment on any agenda item prior to action being taken by the Commission

01/12/23  
16:02:32

CITY OF LEWISTOWN  
Claim Details  
For the Accounting Period: 1/23

Page: 1 of 9  
Report ID: AP100

For dates posted from 01/01/23 to 01/12/23

\* ... Over spent expenditure

Claim Line #	Check Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
52759	51062S 3686	360 OFFICE SOLUTIONS	41.53					
1	IN258946 12/19/22	Copier Contract Service	41.53			2220 460100	210	101000
52760	51063S 2071	ACE HARDWARE	52.30					
1	161529 12/14/22	HARDOUS MATERIALS SUPPLIES	52.30			1000 420400	200	101000
52761	51063S 2071	ACE HARDWARE	13.98					
1	161226 12/02/22	TAPE MEASURE/PIPE/PVC	13.98			5310 430640	230	101000
52762	51063S 2071	ACE HARDWARE	433.28					
1	161201 12/01/22	MAP PRO GAS	51.96			5210 430550	231	101000
2	161307 12/06/22	3 THREAD SEAL TAPE/SPR BOTTLE	11.46			5210 430550	230	101000
3	161307 12/06/22	MAP PRO GAS	12.99			5210 430550	231	101000
4	161493 12/13/22	2 ROLLS INSULATION	79.98			5210 430550	230	101000
5	161509 12/14/22	2-ICE MELT	53.98			5310 430640	220	101000
6	161544 12/15/22	TOGGLE SWITCH	6.99			5310 430640	362	101000
7	161614 12/19/22	25' EXT CORD	44.99			2500 430252	230	101000
8	161627 12/19/22	SHOP TOWELS/DISP GLOVES	30.98			5210 430550	220	101000
9	161651 12/20/22	2-25FT EXT CORD/GARDEN HOSE	113.97			5310 430640	220	101000
10	161694 12/22/22	DRILL BITS	19.99			5210 430550	362	101000
11	161710 12/22/22	UTILITY KNIFE	5.99			5210 430550	230	101000
52763	51064S 2766	ADVANCED ELECTRIC & CONSTRUCTION	4,722.00					
1	1228WWTP22 12/28/22	WWTP-ELECTRICAL WORK	4,722.00			5310 430640	350	101000
52764	51065S 217	BIG SKY FIRE EQUIPMENT	299.00					
1	502699 12/19/22	9VOLT, STREAMLIGHT, BATTERIES	299.00			1000 420400	205	101000
52765	51065S 217	BIG SKY FIRE EQUIPMENT	84.00					
1	502657 12/02/22	MSA CALIBRATION SVC/WWTP	21.00			5310 430630	350	101000
2	502657 12/02/22	MSA CALIBRATION SVC/WWTP	21.00			5310 430640	350	101000
3	502656 12/02/22	MSA CALIBRATION SVC/WATER	42.00			5210 430550	350	101000
52766	51066S 3830	BLOEDORN LUMBER COMPANY	32.98					
1	7341522 12/14/22	2X12-12 DOUGLAS FIR	32.98*			1000 430900	362	101000
52767	51071S 3749	GALE/CENGAGE LEARNING	25.89					
1	79741488 12/07/22	1 ADULT FICTION BOOK LG TYPE	25.89			2220 460100	321	101000

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52768	51067S	18 CENTRAL MONTANA PUBLISHING	85.00					
1	PW 12/21/22	REQUESTING BIDS- GRAVEL	13.00			2500 430210	331	101000
2	PW-1 12/21/22	IMP INFO ABOUT DRINKING WATER	72.00			5210 430510	331	101000
52769	51068S	25 CREDIT BUREAU	34.00					
1	DEC22 01/01/23	DEC 2022 PUBLIC RECORDS BULLET	12.24			1000 410510	210	101000
2	DEC22 01/01/23	DEC 2022 PUBLIC RECORDS BULLET	10.88			5210 410510	210	101000
3	DEC22 01/01/23	DEC 2022 PUBLIC RECORDS BULLET	10.88			5310 410510	210	101000
52770	51069S	510 ER'S REPAIR LLC	1,914.00					
1	692629 12/16/22	REPLACE FAN CLUTCH ON AC COMPR	1,914.00			2500 430252	362	101000
52771	51070S	3740 FASTENAL COMPANY	17.86					
1	MTBILL1007 12/15/22	GENERAL PURPOSE FLAT WASHE	8.93			5210 430550	230	101000
2	MTBILL1007 12/15/22	GENERAL PURPOSE FLAT WASHE	8.93			2500 430252	230	101000
52772	51072S	1461 HILPERTS OK TIRE LLC	904.00					
1	27282 12/07/22	2000 FREIGHTLINER SVC CALL/TIR	477.00			2500 430252	239	101000
2	27283 12/07/22	2000 FREIGHTLINER TIRE	427.00			2500 430252	239	101000
52773	51074S	3237 INTERNATIONAL ASSOCIATION CHIEFS	190.00					
1	0248888 12/19/22	ACTIVE DUES 1/1/23-12/31/23	190.00			1000 420100	335	101000
52774	51073S	124 INGRAM LIBRARY SERVICES	325.81					
1	73452662 12/21/22	31 YOUTH BOOKS	306.02			2220 460100	321	101000
2	73489101 12/23/22	1 YOUTH BOOK	19.79			2220 460100	321	101000
52775	51075S	3355 JENNI, DON	1,518.60					
1	2022 12/21/22	WEED CTRL/ROAD MAINTENANCE	1,518.60			2850 420160	398	101000
52776	51076S	3841 JUDITH MOUNTAIN PLUMBING	91.99					
1	1573 12/29/22	STOPS/SHARKBITE/LABOR	91.99			1000 411200	366	101000
52777	51077S	3531 LEHRKIND'S BIG SPRING WATER	182.30					
1	1999157 12/05/22	5-5GAL WATER	18.20			5210 430550	220	101000
2	1999157 12/05/22	5-5GAL WATER	18.20			2394 420500	200	101000
3	1999157 12/05/22	5-5GAL WATER	9.10			2500 430252	220	101000
4	1999157 12/05/22	3-5GAL WATER	27.30			5310 430640	220	101000
5	1999157 12/05/22	2-5GAL DIST WATER	19.00			5310 430640	222	101000
6	2004094 12/19/22	4-5GAL WATER	18.20			5210 430550	220	101000
7	2004094 12/19/22	4-5GAL WATER	9.10			2394 420500	200	101000
8	2004094 12/19/22	4-5GAL WATER	9.10			2500 430252	220	101000
9	2004094 12/19/22	1-5GAL WATER	9.10			5310 430640	220	101000
10	2004094 12/19/22	2-5GAL DIST WATER	19.00			5310 430640	222	101000

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11	261979 12/25/22	EQUIPMENT RENTAL	12.50			5310 430640	220	101000
12	261979 12/25/22	EQUIPMENT RENTAL	13.50			2500 430252	220	101000
52778	51078S	128 LEWISTOWN WATER DEPARTMENT	1,743.32					
1	DEC 22 12/28/22	WATER & SEWER 1940-00	37.56			2706 460100	342	101000
2	DEC 22 12/28/22	WATER & SEWER 2065A-00	85.33			1000 430900	342	101000
3	DEC 22 12/28/22	WATER & SEWER 2065B-00	85.33			1000 430900	342	101000
4	DEC 22 12/28/22	WATER & SEWER 2316-00	29.78			1000 460430	342	101000
5	DEC 22 12/28/22	WATER & SEWER 2822-00	86.17			1000 411200	342	101000
6	DEC 22 12/28/22	WATER & SEWER 2822-00	76.60			5210 430550	342	101000
7	DEC 22 12/28/22	WATER & SEWER 2822-00	76.60			5310 430630	342	101000
8	DEC 22 12/28/22	WATER & SEWER 2893-00	71.97			2220 460100	342	101000
9	DEC 22 12/28/22	WATER & SEWER 2894-00	5.25			1000 411200	342	101000
10	DEC 22 12/28/22	WATER & SEWER 2894-00	15.79			2500 430252	342	101000
11	DEC 22 12/28/22	WATER & SEWER 2894-00	15.79			5210 430550	342	101000
12	DEC 22 12/28/22	WATER & SEWER 2894-00	15.79			5310 430630	342	101000
13	DEC 22 12/28/22	WATER & SEWER 2895-00	104.73			1000 460442	342	101000
14	DEC 22 12/28/22	WATER & SEWER 2896-00	214.40			1000 420400	342	101000
15	DEC 22 12/28/22	WATER & SEWER 2897-00	29.78			1000 460430	342	101000
16	DEC 22 12/28/22	WATER & SEWER 2935-00	37.56			1000 411200	342	101000
17	DEC 22 12/28/22	WATER & SEWER 2969-00	53.25			5310 430640	342	101000
18	DEC 22 12/28/22	WATER & SEWER 3150-00	29.78			1000 460430	342	101000
19	DEC 22 12/28/22	WATER & SEWER 3151-00	29.78			1000 460430	342	101000
20	DEC 22 12/28/22	WATER & SEWER 3152-00	29.78			1000 460430	342	101000
21	DEC 22 12/28/22	WATER & SEWER 3153-00	29.78			1000 460430	342	101000
22	DEC 22 12/28/22	WATER & SEWER 3154-00	29.78			1000 460430	342	101000
23	DEC 22 12/28/22	WATER & SEWER 3155-00	47.72			1000 460430	342	101000
24	DEC 22 12/28/22	WATER & SEWER 3156-00	29.78			1000 460430	342	101000
25	DEC 22 12/28/22	WATER & SEWER 3157-00	29.78			1000 460430	342	101000
26	DEC 22 12/28/22	WATER & SEWER 3158-00	52.75			1000 460430	342	101000
27	DEC 22 12/28/22	WATER & SEWER 3159-00	29.78			1000 460430	342	101000
28	DEC 22 12/28/22	WATER & SEWER 3160-00	29.78			1000 460430	342	101000
29	DEC 22 12/28/22	WATER & SEWER 3161-00	29.78			1000 460430	342	101000
30	DEC 22 12/28/22	WATER & SEWER 3162-00	29.78			1000 460430	342	101000
31	DEC 22 12/28/22	WATER & SEWER 3185-00	29.78			1000 460430	342	101000
32	DEC 22 12/28/22	WATER & SEWER 3290-00	98.03			1000 460430	342	101000
33	DEC 22 12/28/22	WATER & SEWER 3298-00	98.03			1000 460430	342	101000
34	DEC 22 12/28/22	WATER & SEWER 3299-00	47.75			1000 460430	342	101000
52779	51079S	3799 MARC	1,475.21					
1	779078-IN 12/09/22	BRAKE/PTS CLEANER-LUBE-OIL	491.74			2500 430252	231	101000
2	779078-IN 12/09/22	BRAKE/PTS CLEANER-LUBE-OIL	491.74			5210 430550	231	101000
3	779078-IN 12/09/22	BRAKE/PTS CLEANER-LUBE-OIL	491.73			5310 430630	231	101000

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52780	51080S	2928 MID-RIVERS COMMUNICATIONS	1,742.01					
1	JAN23 01/01/23	TELEPHONE/INTERNET	93.48			1000 410510	345	101000
2	JAN23 01/01/23	TELEPHONE/INTERNET	83.10			5210 410510	345	101000
3	JAN23 01/01/23	TELEPHONE/INTERNET	83.10			5310 410510	345	101000
4	JAN23 01/01/23	TELEPHONE/INTERNET	85.90			1000 460442	345	101000
5	JAN23 01/01/23	TELEPHONE/INTERNET	82.70			1000 460445	345	101000
6	JAN23 01/01/23	TELEPHONE/INTERNET	213.63			1000 420400	345	101000
7	JAN23 01/01/23	TELEPHONE/INTERNET	67.40			2500 430210	345	101000
8	JAN23 01/01/23	TELEPHONE/INTERNET	112.50			5210 430510	345	101000
9	JAN23 01/01/23	TELEPHONE/INTERNET	67.40			5310 430610	345	101000
10	JAN23 01/01/23	TELEPHONE/INTERNET	139.30			5310 430640	345	101000
11	JAN23 01/01/23	TELEPHONE/INTERNET	600.04			2850 420160	345	101000
12	JAN23 01/01/23	TELEPHONE/INTERNET	27.64			1000 411030	345	101000
13	JAN23 01/01/23	TELEPHONE/INTERNET	27.64			2384 411850	345	101000
14	JAN23 01/01/23	TELEPHONE/INTERNET	58.18			2394 420500	345	101000
52781	51080S	2928 MID-RIVERS COMMUNICATIONS	621.07					
1	DEC23 01/01/23	INTERNET @ LIFT STATION	47.80			5310 430640	345	101000
2	DEC23 01/01/23	TELEPHONE/DISPATCH	112.68			2850 420160	345	101000
3	DEC23 01/01/23	TELEPHONE/DISPATCH	54.21			2850 420160	345	101000
4	DEC23 01/01/23	TELEPHONE/DISPATCH	58.48			2850 420160	345	101000
5	DEC23 01/01/23	TELEPHONE/DISPATCH	198.35			2850 420160	345	101000
6	DEC23 01/01/23	LIBRARY TELEPHONE	149.55			2220 460100	345	101000
52782	51100S	4382 MONTANA DEPARTMENT OF JUSTICE	30.00					
1	FIRE 01/06/22	BENES, RYAN FINGERPRINT	30.00			1000 420400	200	101000
52783	51082S	3131 NATIONAL LAUNDRY CO	758.23					
1	27608 12/09/22	TOWELS MOPS RUGS - CITY	24.42			1000 411200	366	101000
2	27608 12/09/22	TOWELS MOPS RUGS - CITY	21.70			5210 411200	366	101000
3	27608 12/09/22	TOWELS MOPS RUGS - CITY	21.70			5310 411200	366	101000
4	31561 12/23/22	TOWELS MOPS RUGS - CITY	24.42			1000 411200	366	101000
5	31561 12/23/22	TOWELS MOPS RUGS - CITY	21.70			5210 411200	366	101000
6	31561 12/23/22	TOWELS MOPS RUGS - CITY	21.70			5310 411200	366	101000
7	27609 12/09/22	MATS - POLICE	31.95			1000 411200	366	101000
8	31562 12/23/22	MATS - POLICE	31.95			1000 411200	366	101000
9	27610 12/09/22	MATS TOWELS LAUNDRY BAG - FIRE	24.86			1000 411200	366	101000
10	31563 12/23/22	MATS TOWELS LAUNDRY BAG - FIRE	24.86			1000 411200	366	101000
11	25627 12/02/22	MATS DUST MOP - SHOP	20.16			2500 430252	366	101000
12	25627 12/02/22	MATS DUST MOP - SHOP	20.15			2394 420500	366	101000
13	25627 12/02/22	MATS DUST MOP - SHOP	20.15			5210 430550	366	101000
14	27607 12/09/22	MATS DUST MOP - SHOP	14.94			2500 430252	366	101000
15	27607 12/09/22	MATS DUST MOP - SHOP	14.93			2394 420500	366	101000
16	27607 12/09/22	MATS DUST MOP - SHOP	14.93			5210 430550	366	101000

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17	29594 12/16/22	MATS DUST MOP - SHOP	20.16			2394 420500	366	101000
18	29594 12/16/22	MATS DUST MOP - SHOP	20.15			2500 430252	366	101000
19	29594 12/16/22	MATS DUST MOP - SHOP	20.15			5210 430550	366	101000
20	31560 12/23/22	MATS DUST MOP - SHOP	14.94			2394 420500	366	101000
21	31560 12/23/22	MATS DUST MOP - SHOP	14.93			2500 430252	366	101000
22	31560 12/23/22	MATS DUST MOP - SHOP	14.93			5210 430550	366	101000
23	33501 12/30/22	MATS DUST MOP - SHOP	20.16			2394 420500	366	101000
24	33501 12/30/22	MATS DUST MOP - SHOP	20.15			2500 430252	366	101000
25	33501 12/30/22	MATS DUST MOP - SHOP	20.15			5210 430550	366	101000
26	25658 12/02/22	MATS DUST MOP - WWTP	45.73			5310 430640	366	101000
27	27636 12/09/22	MATS DUST MOP - WWTP	30.08			5310 430640	366	101000
28	29624 12/16/22	MATS DUST MOP - WWTP	45.73			5310 430640	366	101000
29	31587 12/23/22	MATS DUST MOP - WWTP	30.08			5310 430640	366	101000
30	33532 12/30/22	MATS DUST MOP - WWTP	45.73			5310 430640	366	101000
31	28937 12/14/22	MATS - LIBRARY	40.64			2220 460100	366	101000
52784	51084S	66 NORTHWESTERN ENERGY	27,722.70					
File too large to download								
1	dec 22 12/21/22	Utilities 318045-2	103.29			1000 430900	341	101000
2	dec 22 12/21/22	Utilities 318045-2	201.24			1000 430900	344	101000
3	dec 22 12/21/22	Utilities 319342-2	532.00			1000 411200	341	101000
4	dec 22 12/21/22	Utilities 319342-2	472.88			5210 430550	341	101000
5	dec 22 12/21/22	Utilities 319342-2	472.88			5310 430630	341	101000
6	dec 22 12/21/22	Utilities 319342-2	736.92			1000 411200	344	101000
7	dec 22 12/21/22	Utilities 319342-2	655.03*			5210 430550	344	101000
8	dec 22 12/21/22	Utilities 319342-2	655.03			5310 430630	344	101000
9	dec 22 12/21/22	Utilities 319634-2	244.95*			1000 460445	341	101000
10	dec 22 12/21/22	Utilities 319634-2	17.40*			1000 460445	344	101000
11	dec 22 12/21/22	Utilities 319635-2	11.71			1000 460430	341	101000
12	dec 22 12/21/22	Utilities 320523-4	191.74			5210 430550	341	101000
13	dec 22 12/21/22	Utilities 320523-4	1,382.60*			5210 430550	344	101000
14	dec 22 12/21/22	Utilities 320972-3	7.60			1000 460430	341	101000
15	dec 22 12/21/22	Utilities 322530-7	863.45			2220 460100	341	101000
16	dec 22 12/21/22	Utilities 322530-7	386.16			2220 460100	344	101000
17	dec 22 12/22/22	Utilities 322799-8	714.29			1000 411200	341	101000
18	dec 22 12/22/22	Utilities 322799-8	634.92			5210 430550	341	101000
19	dec 22 12/22/22	Utilities 322799-8	634.92			5310 430630	341	101000
20	dec 22 12/22/22	Utilities 322799-8	142.77			1000 411200	344	101000
21	dec 22 12/22/22	Utilities 322799-8	126.92*			5210 430550	344	101000
22	dec 22 12/22/22	Utilities 322799-8	126.92			5310 430630	344	101000
23	dec 22 12/21/22	Utilities 322802-0	2,010.15			1000 460442	341	101000
24	dec 22 12/21/22	Utilities 322802-0	452.59			1000 460442	344	101000
25	dec 22 12/21/22	Utilities 322836-8	577.18			2500 430252	341	101000
26	dec 22 12/21/22	Utilities 322836-8	391.93			2500 430252	344	101000
27	dec 22 12/21/22	Utilities 322837-8	13.91			2500 430252	341	101000

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28	dec 22 12/21/22 Utilities	323815-1	58.01			5310 430630	341	101000
29	dec 22 12/21/22 Utilities	323820-1	692.80			5310 430640	341	101000
30	dec 22 12/21/22 Utilities	323820-1	9,223.28*			5310 430640	344	101000
31	dec 22 12/21/22 Utilities	323821-9	613.47			1000 411200	341	101000
32	dec 22 12/21/22 Utilities	324152-8	265.78			5210 430550	341	101000
33	dec 22 12/21/22 Utilities	324152-8	71.52*			5210 430550	344	101000
34	dec 22 12/21/22 Utilities	324324-3	10.69			5210 430550	341	101000
35	dec 22 12/21/22 Utilities	324436-5	35.38			5210 430550	341	101000
36	dec 22 12/21/22 Utilities	661025-7	111.90			2500 430252	341	101000
37	dec 22 12/21/22 Utilities	675977-3	8.05			5210 430550	341	101000
38	dec 22 12/21/22 Utilities	697661-7	563.45			2400 430263	369	101000
39	dec 22 12/21/22 Utilities	1324849-7	276.34*			5310 430640	344	101000
40	dec 22 12/21/22 Utilities	1324854-7	363.99*			5310 430640	344	101000
41	dec 22 12/21/22 Utilities	1324859-6	350.86*			5310 430640	344	101000
42	dec 22 12/21/22 Utilities	1335791-8	584.48*			5310 430640	344	101000
43	dec 22 12/21/22 Utilities	1549392-7	215.83			2706 460100	341	101000
44	dec 22 12/21/22 Utilities	1549392-7	48.50			2706 460100	344	101000
45	dec 22 12/21/22 Utilities	1868865-5	66.38			1000 460430	341	101000
46	dec 22 12/21/22 Utilities	1948060-7	6.00			2850 420160	341	101000
47	dec 22 12/21/22 Utilities	2171746-7	6.44			1000 460430	341	101000
48	dec 22 12/21/22 Utilities	3098787-9	8.03			1000 460430	341	101000
49	dec 22 12/22/22 Utilities	3197695-4	13.52*			1000 460445	341	101000
50	dec 22 12/21/22 Utilities	3245191-6	72.28			5310 430630	341	101000
51	dec 22 12/21/22 Utilities	3245191-6	185.60			5310 430630	344	101000
52	dec 22 12/21/22 Utilities	3311811-8	509.40			5210 430550	341	101000
53	dec 22 12/21/22 Lighting	3587198-7	346.21			1000 460430	341	101000
54	dec 22 12/21/22 Utilities	3591174-2	159.80			5210 430550	341	101000
55	dec 22 12/21/22 Lighting	3592752-4	86.89			1000 460430	341	101000
56	dec 22 12/21/22 Irrigation	3709212-9	6.44			1000 430900	341	101000
52785	51083S	265 NORTHWEST PIPE FITTINGS	642.66					
1	7842657-1	12/05/22 6-1" Compression Coupling	188.46			5210 430550	237	101000
2	7801080	12/27/22 6-6' Arch Curb Box W/Rod	454.20			5210 430550	237	101000
52786	51085S	553 PECCIA & ASSO INC, ROBERT	15,510.49					
1	21713_8	12/14/22 Water System Improvement 2022	11,469.88			5210 430550	350	101000
2	22703_5	12/14/22 Water System Improvement 2022	797.67			5210 430550	350	101000
3	22703_5	12/14/22 Sewer Miscellaneous 2022	3,242.94			5310 430630	350	101000
52787	51086S	698 QUILL CORP	112.74					
1	29783698	12/03/22 2HP Ink/Thermal Badges	112.74			5310 430640	210	101000



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CITY OF LEWISTOWN  
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Claim Line #	Check Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
52788	51087S 3878 R & S EXTINGUISHERS INC		436.00					
3	4409 12/29/22 Extinguishers, Refills-Shop		145.34*			2500 430252	350	101000
4	4409 12/29/22 Extinguishers, Refills-Shop		145.33			5210 430550	350	101000
5	4409 12/29/22 Extinguishers, Refills-Shop		145.33			2394 420500	350	101000
52789	51088S 2481 SANDOR, RICK		3,957.00					
1	Feb-23 02/01/22 Park Maintenance Feb 2023		3,957.00			1000 460430	369	101000
52790	51089S 2398 SNOWY MOUNTAIN DEVELOPMENT		500.00					
1	558 12/01/22 TIFD ADMIN SVC EXP		250.00			2310 411800	350	101000
2	561 01/01/23 TIFD ADMIN SVC EXP-MO 22		250.00			2310 411800	350	101000
52791	51090S 1622 SNOWY MOUNTAIN LOCK & DOOR		80.00					
1	17470 12/21/22 Service Call 12/5/22 lock Bldg Lower Station		80.00			5210 430550	366	101000
52792	51091S 3669 SNOWY MOUNTAIN MOTORS		473.31					
1	5034683 12/07/22 Shaft Front Axle		473.31			2500 430252	362	101000
52793	51092S 3746 THE NEW YORK TIMES		16.00					
1	896839750 12/18/22 Subscription 12.19.22-1.15.		16.00			2220 460100	390	101000
52794	51094S 2632 TORGERSON LLC		6,599.90					
1	W12289 12/20/22 SkidSteer Hydraulic Wheel Mtr		6,599.90			2500 430252	362	101000
52795	51096S 3918 UNIVERSAL HEATING COOLING &		162.50					
1	7202 12/22/22 After Hours Boiler Repair		162.50			2220 460100	366	101000
52796	51097S 720 UTILITIES UNDERGROUND LOCATION		14.13					
1	2125090 12/31/22 Excavation Notifications (9)		7.07			5210 430550	237	101000
2	2125090 12/31/22 Excavation Notifications (9)		7.06			5310 430630	237	101000
52797	51098S 2113 VERIZON WIRELESS		206.45					
1	9923711331 12/23/22 Cemetery Phone		23.71			1000 430900	345	101000
2	9923711331 12/23/22 Sewer Phone		16.14			5310 430640	345	101000
3	9923711331 12/23/22 Street Phone		13.75			2500 430252	345	101000
4	9923711331 12/23/22 Water Phone		26.00			5210 430550	345	101000
5	9923711331 12/23/22 Drug Phone		-1.70			2390 420142	396	101000
6	9923711331 12/23/22 Building Phone		47.06			2394 420500	345	101000
7	9923711331 12/23/22 Fire Dept Data Plan		40.01			1000 420400	349	101000
8	9923711331 12/23/22 Public Works		10.37			2394 420500	345	101000
9	9923711331 12/23/22 Public Works		10.37			5210 430550	345	101000
10	9923711331 12/23/22 Public Works		10.37			5310 430640	345	101000
11	9923711331 12/23/22 Public Works		10.37			2500 430252	345	101000

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CITY OF LEWISTOWN  
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Claim Line #	Check Invoice #	Vendor #/Name/ Inv Date/Description	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
52798	51099S	2988 WELLS FARGO BANK	428.02					
1	T-3447228	11/18/22 EPOS NOW 11/18-12/18 2022	40.00			1000 460445	220	101000
2	INV1782651	12/02/22 ZOOM 12/02 2022-01/01 2023	5.59			1000 410510	210	101000
3	INV1782651	12/02/22 ZOOM 12/02 2022-01/01 2023	4.98			5210 410510	210	101000
4	INV1782651	12/02/22 ZOOM 12/02 2022-01/01 2023	4.98			5310 410510	210	101000
5	T-3509683	12/03/22 EPOS NOW 12/03 2022-01/03 2	63.00			1000 460445	220	101000
6	9000265	11/25/22 AMAZON -CAR CHGR PAN TOUGH PAD	34.64			5210 430550	205	101000
7	9000265	11/25/22 AMAZON -CAR CHGR PAN TOUGH PAD	34.64			5310 430630	205	101000
8	5155434	12/06/22 AMAZON - TRANSPARENT TAPE	3.88			1000 410510	210	101000
9	5155434	12/06/22 AMAZON - TRANSPARENT TAPE	3.46			5210 410510	210	101000
10	5155434	12/06/22 AMAZON - TRANSPARENT TAPE	3.46			5310 410510	210	101000
11	6214635	12/06/22 AMAZON - CALCULATOR	23.08			1000 410510	205	101000
12	6214635	12/06/22 AMAZON - CALCULATOR	20.52			5210 410510	205	101000
13	6214635	12/06/22 AMAZON - CALCULATOR	20.52			5310 410510	205	101000
14	8659462	12/06/22 AMAZON - CALCULATOR RIBBON	10.70			1000 410510	210	101000
15	8659462	12/06/22 AMAZON - CALCULATOR RIBBON	9.50			5210 410510	210	101000
16	8659462	12/06/22 AMAZON - CALCULATOR RIBBON	9.50			5310 410510	210	101000
17	9205024	12/06/22 AMAZON - DESKTOP TAPE DIS/STA	9.75			1000 410510	210	101000
18	9205024	12/06/22 AMAZON - DESKTOP TAPE DIS/STA	8.66			5210 410510	210	101000
19	9205024	12/06/22 AMAZON - DESKTOP TAPE DIS/STA	8.66			5310 410510	210	101000
20	T-3447229	12/18/22 EPOS NOW 12/18 2022-01/18 2	40.00			1000 460445	220	101000
21	121922	STA 12/13/22 LATE CHG/FINANCE FEE	24.66			1000 410510	210	101000
22	121922	STA 12/13/22 LATE CHG/FINANCE FEE	21.92			5210 410510	210	101000
23	121922	STA 12/13/22 LATE CHG/FINANCE FEE	21.92			5310 410510	210	101000
52799	51099S	2988 WELLS FARGO BANK	1,552.78					
1	649-640633	10/13/22 TRAVELODGE - WIRTZ, J	88.39			1000 420100	370	101000
2	RCQ4JY322F	12/12/22 AIRBNE - HELENA	388.23			1000 420100	370	101000
3	1227-5055	12/03/22 TRUTH2LIES ANALYSIS GRP-SAL	385.00			1000 420100	380	101000
4	12/03/22	INSTRUQ LEO TRAINING SVC	80.00			1000 420100	380	101000
5	2830626	12/05/22 AMAZON - TIRE CHAINS-RIDING M	59.99			1000 420100	200	101000
6	RCJ84W3QAW	12/08/22 AIRBNE - HELENA, SMITH	117.08			1000 420100	370	101000
7	812-552496	12/08/22 TRAVELODGE - PATTERSON, M	148.16			1000 420100	370	101000
8	3624267	12/05/22 AMAZON - PLOW FOR RIDING MOWE	249.00			1000 420100	200	101000
9	3960269	12/16/22 AMAZON - MOUSE TRAPS	36.93			1000 440600	200	101000
52800	51099S	2988 WELLS FARGO BANK	131.86					
1	0001215G	12/12/22 Water/Coffee - Station Suppl	33.98			1000 420400	200	101000
2	0001331G	12/13/22 Food & Drinks for Drill	97.88			1000 420400	200	101000

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CITY OF LEWISTOWN  
Claim Details  
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Report ID: AP100

For dates posted from 01/01/23 to 01/12/23  
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Claim Line #	Check Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
52801	51099S	2988 WELLS FARGO BANK	30.90					
1	11/16 WKSH 11/16/22 MT RURAL WATER SYSTEMS		30.90*			5210 430510	380	101000
52802	51099S	2988 WELLS FARGO BANK	345.69					
1	02381G 11/23/22 USPS - POSTAGE		54.48			2220 460100	311	101000
2	9887456 11/23/22 AMAZON - COMPUTER SUPPLIES		40.99			2220 460100	214	101000
3	9887456 11/23/22 AMAZON - BUILDING MAINTENANCE		18.99			2220 460100	366	101000
4	9086650 11/23/22 AMAZON - OFFICE SUPPLIES		94.14			2220 460100	210	101000
5	9638664 11/23/22 AMAZON - OFFICE SUPPLIES		8.90			2220 460100	210	101000
6	4948269 11/23/22 AMAZON - OFFICE SUPPLIES		17.48			2220 460100	210	101000
7	00903G 12/09/22 USPS - POSTAGE		37.44			2220 460100	311	101000
8	01291G 12/12/22 USPS - POSTAGE		10.08			2220 460100	311	101000
9	0001651G 12/16/22 ALBERTSONS TREATS		33.19			2220 460100	211	101000
10	01635G 12/16/22 PARR CREEK BAKERY TREATS		30.00			2220 460100	211	101000
52803	51093S	3847 TIRE RAMA	40.00					
1	307 002012 12/30/22 LEFT/RIGHT BEAD LEAKS TIRE		40.00			1000 420100	361	101000
52804	51093S	3847 TIRE RAMA	334.50					
1	3070019684 12/01/22 LEFT REAR USED TIRE		53.50			5210 430550	239	101000
2	3070019981 12/20/22 REPLACE RIGHT REAR TIRE		281.00			5210 430550	239	101000
52805	51095S	2065 TRUE VALUE	13.58					
1	B478758 12/03/22 ZIP LOCK BAGS		13.58			1000 460442	200	101000
52806	51095S	2065 TRUE VALUE	13.99					
1	B481072 12/27/22 6' BRN DNSPT EXTENDER		13.99			2220 460100	366	101000
52807	51095S	2065 TRUE VALUE	45.13					
1	B480384 12/20/22 6-1/4" SNAP LINKS		4.59			2500 430252	230	101000
2	B480384 12/20/22 6-1/4" SNAP LINKS		4.59			5210 430550	230	101000
3	B480422 12/21/22 DRILL BIT & ANCHORS		7.24			2500 430252	230	101000
4	B480422 12/21/22 DRILL BIT & ANCHORS		7.24			5210 430550	230	101000
5	A219795 12/22/22 8" TIES & SCISSORS		21.47			5310 430640	230	101000
52808	51095S	2065 TRUE VALUE	93.94					
1	B479821 12/15/22 BATTERIES / PAINT		50.96			1000 420100	200	101000
2	B481008 12/27/22 MOUSE STATION		16.99			1000 440600	205	101000
3	B481093 12/28/22 D CON RAT BAIT STATION		25.99			1000 440600	205	101000

# of Claims 50 Total: 76,802.63

7012E

City of Lewistown  
305 W. Watson  
Lewistown, MT 59457  
535-1760

### Business License Application

Business Name NXT LVL Electrical Solutions

Street Address P.O. Box 7375 Phone (406) 788-0733

City Great Falls State MT Zip Code 59406

Brief Description/Nature of Business Electrical Contracting

Is This a Recognized Non-Profit Organization? Yes \_\_\_ No X # of Employees 2

Owners Name and Address Allen & Nicholas Meadors

City Great Falls State MT Zip Code 59404 Phone # (406) 788-0733

Planning & Building Dept: N/A (based in Great Falls)

Legal Description: Lot \_\_\_ Blk \_\_\_ Subdivision \_\_\_\_\_ Lot Sz (sq ft) \_\_\_\_\_

Estimated Square Footage \_\_\_\_\_ Occupant Load \_\_\_\_\_ Zoning District \_\_\_\_\_

Is The Building Currently Under Construction or Remodeling? Yes \_\_\_ No \_\_\_

Remodeling or New Construction Within The Last 12 Months? Yes \_\_\_ No \_\_\_

Is Building in The City Limits? Yes \_\_\_ No \_\_\_

Fire Dept:

Primary Emergency Contact Name & # Allen Meadors

Secondary Emergency Contact Name & # Nick Meadors

Are There Any Special Hazards Associated With Your Business That We Should Be Aware Of? Yes \_\_\_ No X If So, What Are They? \_\_\_\_\_

Do You Have Any Hazardous Materials On The Premises? Yes \_\_\_ No N If So, Do

You Have Materials Safety Data Sheets For Them? Yes \_\_\_ No X

Are There Any Fire Extinguishers Located On The Premises? Yes \_\_\_ No X # \_\_\_\_\_

Are There Smoke Detectors On The Premises? Yes \_\_\_ No X # \_\_\_\_\_

Are There Any Locked Or Blocked Exits During Business Hours? Yes \_\_\_ No X

Applicant Signature Allen T Meadors

City Use Only \_\_\_\_\_ Business License Fee: \_\_\_\_\_

Business Classification \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_

Sent to:  
BUILDING DEPT \_\_\_\_\_  
FIRE DEPT \_\_\_\_\_  
HEALTH DEPT \_\_\_\_\_  
ZONING DEPT \_\_\_\_\_  
CITY MANAGER \_\_\_\_\_

Received From:  
BUILDING DEPT \_\_\_\_\_  
FIRE DEPT \_\_\_\_\_  
HEALTH DEPT \_\_\_\_\_  
ZONING DEPT \_\_\_\_\_  
CITY MANAGER \_\_\_\_\_

KATIE SPIKA  
LORAIN DAY  
Ward One Commissioners

RON HRUBES  
DIANA HEWITT  
Ward Two Commissioners

DAVE SCOTTEN  
GAYLE DONEY  
Ward Three Commissioners

KELLYANNE TERRY  
At-Large Commissioner

HOLLY PHELPS  
City Manager

NIKKI BRUMMOND  
Finance Director/City Clerk



305 W. Watson, Lewistown, Montana 59457  
(406) 535-1760 Fax (406) 535-3323

JIM DANIELS  
Park and Recreation Director

THERESA DIEKHANS  
City Attorney

JUSTIN JENNESS  
Police Chief

JOE WARD  
Fire Chief

TIM MAJERUS  
Public Works Director

ALISSA WOLENETZ  
Library Director

VACANT  
Planning Director

## Business License & Registration Certificate Disclaimer

I hereby certify, under penalty of perjury, that I have read and answered the statements contained in  
this application and my answers are true and correct.

I agree to comply with all applicable State and City laws and Ordinances pertaining to my business  
operations, including but not limited to:

Building, Fire, Zoning and other City Code requirements and grant City Officials the privilege and  
authority to conduct such inspections as may be necessary.

*Allen T. Meadors*

\_\_\_\_\_  
Signature of Owner or Representatives

01/6/2023

\_\_\_\_\_  
Date

## RESOLUTION NO. 4109

### A RESOLUTION ADOPTING FEES AND CHARGES FOR THE LEWISTOWN CITY CEMETERY

WHEREAS, Lewistown City Ordinance No. 1784 provides that fees for the purchase and assignment of cemetery lots, opening and closing of graves, perpetual care, and setting of headstones, shall be set by Resolution of the Lewistown City Commission.

WHEREAS, Lewistown City Resolution No. 4043, adopted the fees and charges for the Lewistown City Cemetery. That, unless otherwise modified by the City Commission, fees would be reviewed in or prior to, January each year and fees adjusted, by the amount of the consumer price index annual percent change for the previous year. The amount of increase for each fee category shall be rounded up to the nearest \$5.00 increment.

NOW THEREFORE BE IT RESOLVED, that the following City Cemetery fees and charges shall apply, **effective February 1, 2023**:

LEWISTOWN CITY CEMETERY LOTS	
Single, City Resident	\$690
Single, Nonresident	\$795
Infant lot (12 months of age or younger in Baby land)	\$160
Cremains Lot, Resident 4' X 3' (1 Vault per lot)	\$280
Cremains Lot, Nonresident 4' x 3' (1 Vault per lot)	\$370
Perpetual care fee per lot for Nonresident	\$110
OPENING AND CLOSING (PER LOT)	
Weekday Body Burial:	
City resident	\$635
Nonresident	\$690
Infant lots	\$235
Weekday Cremains:	
Maximum of (3 per regular lot)	
City Resident	\$375
Nonresident	\$475

WEEKENDS AND HOLIDAYS	
Body Burials	\$810
Infants Burial	\$235
Cremains	
City resident	\$475
Nonresident	\$550
SET UP AND TEAR DOWN FEE	\$160
SHEPARD HOOK INSTALLATION	\$25
CALVARY CEMTERY:	
Weekdays	\$715
Weekends and Holidays	\$870
SETTING OF GRAVESTONES	
Monuments (2' x 1' or smaller)	\$110
Monuments (2' x 1' or larger)	\$210

BE IT FURTHER RESOLVED, that, unless otherwise modified by the City Commission, the above fees shall be adjusted on December 31, 2022, by the amount of the consumer price index annual percent change for the previous year as certified at:

<http://www.usinflationcalculator.com/inflation/consumer-price-index-and-annual-percent-changes-from-1913-to-2008/>.

The amount of increase for each fee category shall be rounded up to the nearest \$5.00 increment.

BE IT FURTHER RESOLVED that a copy of each year's prospective fee adjustments shall be presented to the City Commission each January.

PASSED AND APPROVED this 17th day of January, 2023.

\_\_\_\_\_  
KellyAnne Terry, Chair  
Lewistown City Commission

Attest:

\_\_\_\_\_  
Nikki Brummond  
City Financial Officer/Clerk

**RESOLUTION NO. 4111**

**A RESOLUTION APPOINTING SUCCESSOR TRUSTEE TO LEWISTOWN TOURISM BUSINESS IMPROVEMENT DISTRICT NO.1**

**WHEREAS**, the Lewistown City Commission created Business Improvement District No.1 on December 3, 2012 by approving Resolution No. 3806, and

**WHEREAS**, pursuant to Resolution 4089, passed on June 6, 2022, set the current Board of Trustees for Business Improvement District No. 1;

**WHEREAS**, pursuant to MCA § 7-12-1121 and Resolution 4043, all subsequent Trustees shall be appointed to four (4) year terms, except that a vacancy occurring during a term will be filled for the unexpired term. An unexpired term shall be filled in the same manner as other vacancies. A member holds office until a successor has been appointed and qualified. Subsequent chairpersons shall serve one (1) year terms as chair and shall be selected by the Board.

**WHEREAS**, the Trustee Lonnie Mannin sold his business and has now vacated the position as Trustee and the new owners would like to have KellyAnne Terry serve as their representative. She has been nominated by the Board to serve the remainder of his appointment. KellyAnne Terry has been moved to fill Lonnie Mannin term, thus vacating her position the owner of the Calvert has asked that Kate Cooler fill the remainder of her existing term.

**NOW, THEREFORE, BE IT RESOLVED**, by the City Commission of Lewistown, Montana, that the nominations of KellyAnne Terry and Kate Cooler to serve out the remainder of the term of Lonnie Mannin and KellyAnne Terry as Trustee to Business Improvement District No.1 is approved. The board shall hence consist of the following members:

<u>Trustee Name</u>	<u>Term</u>	<u>Begin Term</u>	<u>End Term</u>
VACANT	4 Years		
Vaibhav Gadade	4 Years	Nov 1, 2020	Oct 31, 2024
Kate Cooler	4 Years	Feb 1, 2020	Jan 31, 2024
Amanda Lipke	4 Years	Feb 1, 2021	Jan 31, 2025
Susanne Wigginton	4 years	May 16, 2022	Jan 31, 2025
KellyAnne Terry	4 years	Feb 1, 2020	Jan 31, 2024



**BE IT FURTHER RESOLVED**, that the appointed Trustee shall have the powers and duties set out in Sections 7-12-1121 through 7-12-1133, M.C.A. and any other applicable laws, City ordinances or regulations.

**APPROVED** by the City Commission of the City of Lewistown, Montana this 17<sup>th</sup> day of January, 2023.

---

KellyAnne Terry  
Chairman of the Commission

ATTEST:

---

Nikki Brummond, City Clerk



# CENTRAL MONTANA 911/CITY OF LEWISTOWN

ASTRO SITE REPEATER FIRM BUDGETARY PROPOSAL

NOVEMBER 22, 2022

The design, technical, pricing, and other information ("Information") furnished with this 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.

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SECTION 1

# SYSTEM DESCRIPTION

## 1.1 SYSTEM OVERVIEW- 800 MHZ TRUNKING RADIO SITE

The proposed repeater site will be configured as a single trunked site with four (4) 800 MHz channels, utilizing Motorola's Expandable Site Sub-System or ESS. This ASTRO Site Repeater (ASR) will contain four GTR 8000 Base radios, two Site Controllers and networking equipment. Motorola offers industry-leading channel resiliency in trunking systems with our GTR 8000 ESS. The architecture ensures that the failure of a single channel cannot remove more than the affected channel from service. Additionally, the site contains a required antenna subsystem for the Lewistown Police/Fire Department (Fergus County) location.

This site will be connected to the state of Montana ASTRO 25 M3 core over MPLS utilizing the existing MPLS routers at the Lewistown PD site. Mobile and portable users will be able to transparently roam between this ASR and existing sites.

The proposed ESS rack for Montana contains 4 GTR8000 radios, which allow for 3 FDMA ASTRO voice channels and a single control channel that handles radio traffic control. Additionally, the ESS rack contains all RF combining equipment (combiner and multicoupler) and networking control equipment (two site gateways and integrated switches). The ESS rack contains redundant site controllers, which allow base radios to continue to operate in site trunking mode in the event the site loses backhaul connectivity to the master site. Appropriate master site licenses have been included to allow the expansion of the current system to include the proposed ASR site at Lewistown PD.

In addition to the ESS rack, Motorola proposes a Trilogy power system with Smartpack S series DC power system, including controller and DC distribution and inverter. The different options of the battery bank will provide approximately a reserve time of either 4 or 8 hours at a 50% transmit/50% receive duty cycle. Actual reserve time will depend on system use.

## 1.2 LEWISTOWN POLICE/FIRE DEPARTMENT SITE

The list of equipment at this site includes:

- Four (4) Trunked Channel GTR8000 Expandable Site Sub-System
- Tx and Rx antennas with transmission lines, jumpers and connectors.
- Inclusive two (2) SRX345 Router to connect to the ASTRO25 Core.
- One (1)TTA - Tower top amplifier.
- DC battery plant - 4 or 8 Hours backup options are included.



## 1.3 SYSTEM DESIGN

This design will add four (4) channels in a new ESS rack in the 800 MHz FDMA channels. Each GTR 8000 base radio is configured to operate as an FDMA channel. This project will add one (1) ESS rack consisting of four (4) new base radios . Motorola has included the necessary software licenses for integrating the proposed new channels into the existing ASTRO 25 system.

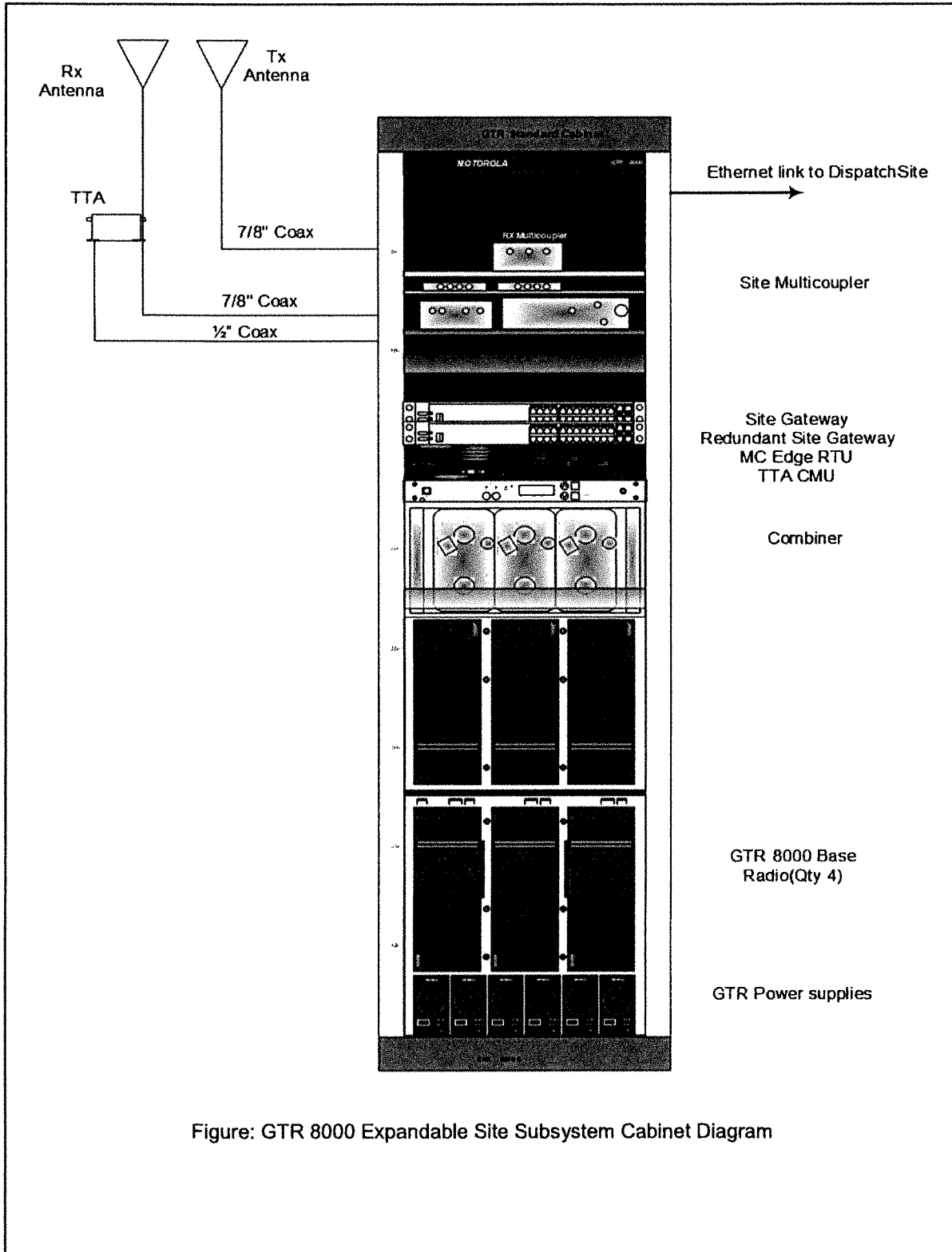


Figure: GTR 8000 Expandable Site Subsystem Cabinet Diagram

Figure 1.1: GTR 8000 Expandable Site Subsystem Cabinet Diagram

## 1.4 SYSTEM COMPONENTS

- Core licenses.
- One (1) GTR 8000 Expandable Site Subsystem
- Four (4) GTR 8000 800 MHz Base Radios
- One (1) Receive Multicoupler
- One (1) 800 MHz Combiner
- One (1) 7.5' Open Rack
- Two (2) 800 MHz Transmit Antennas
- Frequency Licensing Services
- DC Power Plant with Inverter(optional 4 or 8 hours)

### 1.4.1 Radio Frequency Site Component Descriptions

An ASTRO 25 Radio Frequency (RF) site supports a wide variety of configurations to meet critical communications requirements for present and future communication needs. Depending on the RF site configuration, each RF site has several different components. The following components are included in the RF sites provided as part of our solution for City of Lewistown/Central Montana 911.

#### 1.4.1.1 GTR 8000 Expandable Site Subsystem

The GTR 8000 Expandable Site Subsystem (ESS) (see the figure titled "GTR 8000 Expandable Site Subsystem") enclosure integrates reconfigured GTR 8000 base stations and GCP 8000 controllers, into a single rack.

The ESS provides the following important benefits:

- Integrated design provides a smaller footprint at the site.
- Front/top access design and minimized cabling reduces install and service labor.
- Increased power supply redundancy through common power bus.

Voice traffic is routed from each of the site base stations to the system for distribution to all sites associated with the call.

#### 1.4.1.2 SRX Site Gateways

The Juniper SRX gateways provide routing control of audio, data, and network management traffic for devices that forward packets beyond their local LAN. The gateways replicate packets while achieving the fast access levels required by real-time voice systems. SRX 345 gateways are used for repeater sites.

Note: Redundant gateways have been provided in the proposed system design.



### 1.4.1.3 Radio Frequency Distribution System

The Radio Frequency Distribution System (RFDS) connects base radios and antennas, allowing for a completely contained and more compact installation footprint.

This design includes 800 Mhz omnidirectional antennas, transmission lines, surge protectors, connectors, grounding and weatherproofing materials, as well as services to install antennas and RFDS onto the customer-provided tower. Inside the shelter, 800 MHz transmit combiners, receive multicouplers, RF filtering, and surge protection are included.

## 1.5 800 MHZ FREQUENCY LICENSING

Motorola Solutions, on behalf of the City of Lewistown/Fergus County, MT, will provide necessary services to license a 4-channel, 800 MHz P25 site. This will involve researching the 800 MHz Non-NPSPAC band to find the available channels to meet the proposed capacity.

## 1.6 SITE BACKUP POWER SYSTEM

Motorola is also providing an option for a DC Power plant on the Lewistown OD site with adequate capacity to provide backup for 4 or 8 hours (As per the customer's request).

Motorola's power system design provides both DC and AC backup power if site utility power is lost. The power system includes standalone batteries, rectifiers, a charge controller and an inverter system, as well as surge suppression devices.

### 1.6.1 Option 1 – 4 Hour DC System and Battery

The DC Power Plant is a Trilogy 300/500A DC power system with a Smartpack S Controller, and (2) Battery trays equipped with 200 AMP battery breakers. A Trilogy Inverter is also included which provides up to 800W of AC power to critical loads. The Qty (2) battery trays with 200 AMP battery breakers will be rack mounted and will provide an estimated four hours reserve time during a loss of site utility power. Four hours is not guaranteed; actual reserve time will depend on system use.

### 1.6.2 Option 2 – 8 Hour DC System and Battery

The DC Power Plant is a Trilogy 300/500A DC power system with a Smartpack S Controller, and (4) Battery trays equipped with 200 AMP battery breakers. A Trilogy Inverter is also included which provides up to 800W of AC power to critical loads. The Qty (4) battery strings with 200 AMP battery breakers will be rack mounted and will provide an estimated eight hours reserve time during a loss of site utility power. Eight hours is not guaranteed; actual reserve time will depend on system use.

## 1.7 POWER REQUIREMENTS

The following power calculations were carried out to ensure that Motorola supplies the correct options for the DC power system, as well as to confirm that the existing commercial

power grid has sufficient capacity to support the new RF system. There will be a need for a separate rack of equipment to house the Battery Backup Equipment.

	Qty	Voltage	Current per Unit (A)	Total Current (A)	Duty Cycle (%)	Total Current (A) @ Duty Cycle	Power per Unit (W)	Total Power (W)	Total Power (W) @ Duty Cycle	BTU/hr per Unit	Total BTU/hr	Dual Power Supply (YES/NO)	Power Source
<b>ESS Rack #1</b>													
GTR8000 800MHz Base Radio	4	48	8.96	35.83	100%	35.83	430.00	1720.00	1720.00	409.50	1638.00	N/A	N/A
DSC8000 Site Controller (2 modules)	1	48	1.67	1.67	100%	1.67	80.00	80.00	80.00	744.00	744.00	N/A	N/A
SRX 345 Router	2	48	1.07	2.14	100%	2.14	49.00	98.00	98.00	167.00	334.00	N/A	N/A
RMC (Site)	1	48	0.17	0.17	100%	0.17	8.00	8.00	8.00	550.00	550.00	N/A	N/A
RMC (Cabinet)	1	48	0.17	0.17	100%	0.17	8.00	8.00	8.00	550.00	550.00	N/A	N/A
MC Edge	1	48	1.50	1.50	100%	1.50	24.00	24.00	24.00	90.00	90.00	N/A	N/A
TTA & CAU	1	48	2.00	2.00	100%	2.00	96.00	96.00	96.00	550.00	550.00	NO	N/A
<b>ESS Rack #1 Totals</b>						<b>43.47</b>			<b>2034.06</b>		<b>4498.00</b>		
10% Expansion						<b>4.26</b>			<b>205.40</b>		<b>448.00</b>		
Total RF Site + 10%						<b>47.73</b>			<b>2239.46</b>		<b>4946.00</b>		

## 1.8 ASSUMPTIONS

Motorola's design is contingent upon the following assumptions being true. Any deviation from these assumptions will result in a change order to the customer:

- All existing sites or equipment locations will have sufficient space available for the system described as required/specified by R56.
- All existing sites or equipment locations will have adequate electrical power and site grounding suitable to support the requirements of the system described.
- HVAC for the new site will be provided by City of Lewistown/Central Montana 911.
- Approved local, State, or Federal permits as may be required for the installation and operation of the proposed equipment, are the responsibility of City of Lewistown/Central Montana 911.
- All Fiber, T1 and other necessary site connectivity will be provided by City of Lewistown/Central Montana 911.
- Motorola is not responsible for interference caused or received by the Motorola provided equipment except for interference that is directly caused by the Motorola provided transmitter(s) to the Motorola provided receiver(s). Should the City of Lewistown/Central Montana 911's system experience interference, Motorola can be contracted to investigate the source and recommend solutions to mitigate the issue.
- Motorola will search for available 800 MHz frequencies and complete necessary FCC forms to apply for available frequencies. Frequency search or licensing services are included in this proposal. City of Lewistown/Central Montana 911 will apply for the frequencies.
- Battery reserve time is an estimate and is not guaranteed.
- No coverage guarantee is included in this proposal.
- State of Montana is responsible for providing backhaul connectivity, including Multi-Protocol Label Switching (MPLS) services between the sites and the ASTRO core. No microwave, fiber optic or other backhaul is included. Motorola will perform the connectivity between the MPLS routers in the Lewistown site with the new ASR.
- Only P25 Phase I (FDMA) trunking is supported. P25 Phase II (TDMA) is not included, although it may be added later as a separate project.
- Any tower loading analysis will be performed by the City of Lewistown/Central Montana 911.

- Any required system interconnections not specifically outlined here will be provided by the City of Lewistown/Central Montana 911, including but not limited to dedicated microwave links.
- No control stations or consolets have been included in this proposal.
- No subscriber content has been included in this proposal.
- Lewistown site is assumed to have adequate power, HVAC, floor space, tower availability, and Ethernet connectivity back to ASTRO Core to accommodate the new channels.
- MW connectivity back to the State of Montana core will be provided by the City of Lewistown.
- City of Lewistown/Central Montana 911 assumes all responsibilities to negotiate the connection of the ASR site back to Montana core.
- Battery backup options are included only for 4 or 8 hours duration.
- City of Lewistown will provide space within an environment meeting R56 standard requirements, required to house the battery backup power system.
- If any electrical work is required for the installation of the optional battery backups, will be provided by the City of Lewistown.

SECTION 2

# EQUIPMENT LIST

## 2.1 ASR SITE LIST

QTY	NOMENCLATURE	DESCRIPTION
2	DSATCGC7V6OD4	746-870 MHZ COLLINEAR OMNI 7.0 DBD 4.3-10 DIN FEMALE
15	DSEC450	COAXIAL CABLE, 1/2" 50 OHM CORRUGATED COPPER WITH BLACK PE JACKET
2	DS4310M50V12N1	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50
2	DSWKU	WK-U, UNIVERSAL WEATHERPROOFING KIT
200	DSEC550A	COAXIAL CABLE, "A" SERIES 7/8 IN 50 OHM CORRUGATED COPPER W/ BLACK PE
2	DS4310F50V78N1	CONNECTOR, 4.3-10 FEMALE INTERFACE FOR EC5-50-A
5	DSGKC78	CLIP ON GROUND KIT FOR 7/8" CABLES, 5' LEAD W/ UNATTACHED 3/8" TWO HOL
1	DSHG78L	HOISTING GRIP, PRE-LACED, 7/8 IN CORRUGATED COAX
7	DSBH78	BH-78 BUTTERFLY HANGER FOR 7/8 AIRCELL COAX,PKG OF 10
1	DSTSX4310FMP	4.3-10 M/F BULKHEAD COAX RF SURGE PROTECTOR, 698MHZ - 2.7GHZ PIM
15	DSEC450	COAXIAL CABLE, 1/2" 50 OHM CORRUGATED COPPER WITH BLACK PE JACKET
2	DS4310M50V12N1	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50
15	DSEC450	COAXIAL CABLE, 1/2" 50 OHM CORRUGATED COPPER WITH BLACK PE JACKET
2	DS4310M50V12N1	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50
5	DSWKU	WK-U, UNIVERSAL WEATHERPROOFING KIT
15	DSEC450	COAXIAL CABLE, 1/2" 50 OHM CORRUGATED COPPER WITH BLACK PE JACKET
2	DS4310M50V12N1	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50
200	DSEC550A	COAXIAL CABLE, "A" SERIES 7/8 IN 50 OHM CORRUGATED COPPER W/ BLACK PE
2	DS4310F50V78N1	CONNECTOR, 4.3-10 FEMALE INTERFACE FOR EC5-50-A
5	DSGKC78	CLIP ON GROUND KIT FOR 7/8" CABLES, 5' LEAD W/ UNATTACHED 3/8" TWO HOL
1	DSHG78L	HOISTING GRIP, PRE-LACED, 7/8 IN CORRUGATED COAX
200	DSEC450	COAXIAL CABLE, 1/2" 50 OHM CORRUGATED COPPER WITH BLACK PE JACKET
1	DS4310M50V12N1	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50
1	DS4310F50V12N1	CONNECTOR, 4.3-10 FEMALE INTERFACE FOR EC4-50

QTY	NOMENCLATURE	DESCRIPTION
5	DSGKS12	STANDARD GROUND KIT FOR 1/2" CABLES, 5' LEAD W/ UNATTACHED 3/8" TWO HO
1	DSHG12L	PRE-LACED HOISTING GRIP FOR 1/2" STANDARD CABLES, EACH
7	DSBH12	BH-12 BUTTERFLY HANGER FOR 1/2 AIRCELL COAX,PKG OF 10
7	DSBH78	BH-78 BUTTERFLY HANGER FOR 7/8 AIRCELL COAX,PKG OF 10
2	DSTSX4310FMP	4.3-10 M/F BULKHEAD COAX RF SURGE PROTECTOR, 698MHZ - 2.7GHZ PIM
15	DSEC450HF	COAXIAL CABLE, 1/2" HIFLEX, 50 OHM WITH BLACK PE JACKET
2	DS4310M50B12X	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50-HF
15	DSEC450HF	COAXIAL CABLE, 1/2" HIFLEX, 50 OHM WITH BLACK PE JACKET
2	DS4310M50B12X	CONNECTOR, 4.3-10 MALE INTERFACE FOR EC4-50-HF
2	T8547	SITE ROUTER & FIREWALL- DC
2	CA03445AA	ADD: MISSION CRITICAL HARDENING
2	CA03448AA	ADD: STATEFUL FIREWALL
2	CLN1868	2930F 24-PORT SWITCH
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
4	X591AE	ENH: ASTRO 25 SITE REPEATER SW
1	CA03678AA	ADD: ASTRO SYSTEM RELEASE 2021.1
1	CA00855AA	ADD: 700/800 MHZ
1	X304AE	ADD: QTY (4) GTR 8000 BASE RADIOS
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
1	CA00861AA	ADD: CABINET RMC W/ CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU
2	CA03736AA	ADD: DSC 8000 REPEATER SITE CONTROLLER
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	T8343	GSERIES SOFTWARE LICENSING
4	UA00401AA	ADD: GSERIES BR-P25 TRNK ST RPTR
2	UA00759AA	ADD: DSC 8000 REPEATER SITE CONTROLLER
1	NPI_001238	PLACEHOLDER CONTROL MONITORING UNIT 700-800
1	NPI_001236	PLACEHOLDER TTA, 700-800 custom
4	X591AE	ENH: ASTRO 25 SITE REPEATER SW
1	CA03745AA	ADD: DSC 8000 REPEATER SITE CONTROLLER SW
1	CA03781AA	ADD: DUAL POWER SUPPLIES FOR DSC
1	DS11011188	PDU, 120/240 SPLIT PH OR N+1 REDUNDANT, 60A MAX PER PHASE, SIX DEDICAT

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM0323	ASTRO MASTER SITE
1	CA03517AD	ADD: CORE EXPANSION
4	DS3750295	BREAKER, 5 AMP, CB UL 489 LISTED FOR AC EDGE II (1101-1188)
1	DS11011188	PDU, 120/240 SPLIT PH OR N+1 REDUNDANT, 60A MAX PER PHASE, SIX DEDICAT
2	DS3750297	BREAKER, 15 AMP, CB UL 489 LISTED FOR AC EDGE II (1101-1188)
1	DSTSJADP	RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS
2	DS1101990	SPD, SHIELDED RJ-45 JACK, SINGLE LINE GBE (1000MBPS) R56 COMPLIANT
2	CLN1866	FRU: 1M DAC CABLE
4	CA01400AA	ADD: POWER CABLE, DC
1	DLN6781	FRU: POWER SUPPLY
1	DLN6998	FRU: PA 7/800 MHZ LOW POWER
1	DLN6898	FRU: FAN MODULE

## 2.2 OPTIONAL BATTERY BACKUP 4 HOURS

QTY	NOMENCLATURE	DESCRIPTION
1	DST2S2084500001	TRILOGY SMARTPACK S, -48V, 300A/500A, 19IN, 7FT, (2) 200A BATT BRKR
3	DS241115105	FLATPACK 2 48/2000 HE RECTIFIER
5	DS331E23640800	BLIND PANEL FP2 HE BLACK G1
1	DS3672495500	ALARM CABLE 50F FOR TRILOGY S POWER SYSTEMS
2	DS502877	48V 125AH 12V125F ENERSYS BATT SET
1	DS265503	INVERTER, 1000VA 48VDC/120VAC ESI SERIES 1KVA/800W
1	DSCBB025E	CIRCUIT BREAKER, 25 AMP, E TRIP
5	DSCBB020E	CIRCUIT BREAKER, 20 AMP, E TRIP
5	DSCBB050E	CIRCUIT BREAKER, 50 AMP, E TRIP
5	DSCBB100E	CIRCUIT BREAKER, 100 AMP, E-TRIP

## 2.3 OPTIONAL BATTERY BACKUP 8 HOURS

QTY	NOMENCLATURE	DESCRIPTION
1	DST2S2084500003	TRILOGY POWER SYS, SMARTPACK S, -48V, 300/500A, 7FT 19IN, 4 BATT TRAYS
3	DS241115105	FLATPACK 2 48/2000 HE RECTIFIER
5	DS331E23640800	BLIND PANEL FP2 HE BLACK G1
1	DS3672495500	ALARM CABLE 50F FOR TRILOGY S POWER SYSTEMS
4	DS502877	48V 125AH 12V125F ENERSYS BATT SET
5	DSCBB020E	CIRCUIT BREAKER, 20 AMP, E TRIP
5	DSCBB050E	CIRCUIT BREAKER, 50 AMP, E TRIP
5	DSCBB100E	CIRCUIT BREAKER, 100 AMP, E-TRIP
1	DS265503	INVERTER, 1000VA 48VDC/120VAC ESI SERIES 1KVA/800W
1	DSCBB025E	CIRCUIT BREAKER, 25 AMP, E TRIP

SECTION 3

# STATEMENT OF WORK

Motorola Solutions is proposing to City of Lewistown/Central Montana 911 the installation and configuration of a four (4) Channel ASR Site.

The document delineates the general responsibilities between Motorola Solutions and City of Lewistown/Central Montana 911 as agreed to by contract.

## **Motorola Solutions Responsibilities**

Motorola Solutions' general responsibilities include the following:

- Perform the installation of the Motorola Solutions-supplied equipment described above.
- Schedule the implementation in agreement with City of Lewistown/Central Montana 911.
- Coordinate the activities of all Motorola Solutions subcontractors under this contract.
- Administer safe work procedures for installation.
- Provide City of Lewistown/Central Montana 911 with the appropriate system interconnect specifications.
- Perform Functional Acceptance Test.
- Submit final Documentation.
- Receive Final Acceptance from City of Lewistown/Central Montana 911.

## **City of Lewistown/Central Montana 911 Responsibilities**

City of Lewistown/Central Montana 911 will assume responsibility for the installation and performance of all other equipment and work necessary for completion of this project that is not provided by Motorola Solutions. General responsibilities for City of Lewistown/Central Montana 911 include the following:

- Provide all buildings, equipment shelters, and towers required for system installation meeting the Industry Standards and the Motorola R56 Installation Guidelines.
- Any Site improvements necessary to meet the R56 standards will be provided by the City of Lewistown/Central Montana 911.
- Ensure communications sites meet space, grounding, power, and connectivity requirements for the installation of all equipment.
- Obtain all licensing, site access, or permitting required for project implementation.
- Obtain frequencies for project as required with assistance from the Motorola team.
- Provide required system interconnections.
- City of Lewistown/Central Montana 911 will provide a dedicated delivery point, such as a secured warehouse, for receipt, inventory, and storage of equipment prior to delivery to the site(s).
- Coordinate the activities of all City of Lewistown/Central Montana 911 vendors or other contractors.



SECTION 4

# ACCEPTANCE TEST PLAN

City of Lewistown/Central Montana 911

ASR

**In-Plant Draft**

**[www.motorolasolutions.com/services/government](http://www.motorolasolutions.com/services/government)**

**Representative 1 Name  
Field Program Manager  
(XXX) XXX-XXXX**

**Representative 2 Name  
Field Engineer  
(XXX) XXX-XXXX**

## 4.1 WIDE AREA TRUNKING - FDMA ONLY SITES

### 4.1.1 Recent User Priority

#### 1. DESCRIPTION

A recent user of the channel has priority over other users of equal priority of being assigned a channel when a busy queue exists. The maximum number of consecutive times that a user may be elevated to recent user priority is two.

Note: Timing is critical for this test, it is recommended that the test be read through and understood before attempting to complete.

#### SETUP

RADIO-1 - TALKGROUP 1  
RADIO-1 - SITE - SITE 1  
RADIO-2 - TALKGROUP 2  
RADIO-2 - SITE - SITE 1  
RADIO-3 - TALKGROUP 3  
RADIO-3 - SITE - SITE 1

#### VERSION #1.260

#### 2. TEST

- Step 1. Ensure that the priority level for all talkgroups is the same. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 2. Press and hold the PTT switch of RADIO-1.
- Step 3. Press the PTT switch on RADIO-2. Verify that the radio receives a busy tone.
- Step 4. Press the PTT switch on RADIO-3. Verify that the radio receives a busy tone.
- Step 5. Release the PTT switch on RADIO-1.
- Step 6. As soon as RADIO-2 receives its callback tone, press and hold its PTT switch.
- Step 7. Within 2 seconds of callback, re-key RADIO-1. Verify that RADIO-1 receives a busy tone. Release the PTT switch on RADIO-1.
- Step 8. Release the PTT switch on RADIO-2. Verify that RADIO-1 receives a callback tone before RADIO-3.
- Step 9. Repeat Steps 2-8 for RADIO-1 and RADIO-2. Verify that the priority of RADIO-1 is once more elevated in the busy queue.
- Step 10. Repeat Steps 2-8 for RADIO-1 and RADIO-2 once more. Verify that in Step 9 that RADIO-3 receives the callback tone since RADIO-1 cannot be elevated in the busy queue more than two consecutive times.

Pass \_\_\_\_ Fail \_\_\_\_

## Wide Area Trunking - FDMA Only Sites

### 4.1.2 Emergency Alarm and Call with Top of Queue

#### 1. DESCRIPTION

Users in life threatening situations can use the Emergency button on the radio to immediately send a signal to the dispatcher and be assigned the next available voice channel. An Emergency Call can be set to either Top of Queue or Ruthless Preemption operation. During an emergency call the Emergency ID will appear on the display of the subscribers. To demonstrate this, an Emergency Alarm and Call will be initiated from a subscriber which will be received by a subscriber on the same talkgroup, affiliated at any site of any zone in the system.

NOTE: If the subscriber does not have the Display option, the Emergency ID will not be displayed.

#### SETUP

RADIO-1 - TALKGROUP 1  
RADIO-1 - SITE - SITE 1  
RADIO-2 - TALKGROUP 1  
RADIO-2 - SITE - Any Site  
RADIO-3 - TALKGROUP 2  
RADIO-3 - SITE - SITE 1  
RADIO-4 - TALKGROUP 3  
RADIO-4 - SITE - SITE 1

All radios and talkgroups should start with default priorities. Default is 10.

#### VERSION #1.210

#### 2. TEST

- Step 1. Verify the emergency type for TALKGROUP 1's template is set up as Top of Queue.
- Step 2. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 3. Press the PTT to initiate a call with RADIO-3 and hold the PTT switch until instructed to release.
- Step 4. Key RADIO-4 and verify the radio receives a busy tone. Release the PTT switch on RADIO-4.
- Step 5. Using RADIO-1 send an Emergency Call by depressing the emergency switch and then the PTT switch.
- Step 6. Observe that RADIO-1 cannot transmit due to the voice channel being busy.
- Step 7. Release the PTT switch on RADIO-3.
- Step 8. Observe that RADIO-1 receives the call back before RADIO-4 and is able to proceed with the call. Also observe that the display on RADIO-2 denotes an emergency and the unit ID or alias of RADIO-1.
- Step 9. Dekey RADIO-1 and end the Emergency Call by holding down the Emergency button on RADIO-1 until an alert tone sounds. Verify RADIO-1 returns to normal operation and that RADIO-4 receives a callback.
- Step 10. Return the system to normal operation by enabling all the channels at SITE 1.

Pass \_\_\_\_\_ Fail \_\_\_\_\_



## 4.2 SITE TRUNKING - FDMA ONLY SITES

### 4.2.1 Busy Queuing and Callback

#### 1. DESCRIPTION

If no voice channel resources are available, radios requesting channels for new conversations are placed in the busy queue. Users of the same priority will move through the queue in a FIFO (first in, first out) sequence; however, users of higher priority will be inserted ahead of lower priority users in the queue. When a voice channel becomes available, the radio at the top of the busy queue gets a channel assignment and generates a callback tone. The callback alerts the user that a channel assignment was made and transmitting is now possible on the selected talkgroup.

#### SETUP

RADIO-1 - TALKGROUP 1  
RADIO-1 - SITE - SITE 1  
RADIO-2 - TALKGROUP 2  
RADIO-2 - SITE - SITE 1  
RADIO-3 - TALKGROUP 3  
RADIO-3 - SITE - SITE 1  
RADIO-4 - TALKGROUP 1  
RADIO-4 - SITE - SITE 1

Note: All radios are "Site Locked."

#### VERSION #1.100

#### 2. TEST

- Step 1. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 2. Initiate a Talkgroup Call with RADIO-1 and observe that RADIO-4 receives the call. Keep this call in progress until instructed to end the call.
- Step 3. Key RADIO-2 and observe that the radio receives a busy.
- Step 4. Key RADIO-3 and observe that the radio receives a busy.
- Step 5. End the Talkgroup Call established in Step 2.
- Step 6. Observe that RADIO-2 receives a callback prior to RADIO-3 receiving a callback.
- Step 7. Return the site to Wide Area Trunking unless the next test requires Site Trunking

Pass\_\_\_\_\_ Fail\_\_\_\_\_

### 4.3 SIGNOFF CERTIFICATE

By their signatures below, the following witnesses certify they have observed the system Acceptance Test Procedures.

Signatures

WITNESS:

\_\_\_\_\_  
Date: \_\_\_\_\_

Please Print Name: \_\_\_\_\_

\_\_\_\_\_  
Initials:

Please Print Title: \_\_\_\_\_

WITNESS:

\_\_\_\_\_  
Date: \_\_\_\_\_

Please Print Name: \_\_\_\_\_

\_\_\_\_\_  
Initials:

Please Print Title: \_\_\_\_\_

WITNESS:

\_\_\_\_\_  
Date: \_\_\_\_\_

Please Print Name: \_\_\_\_\_

\_\_\_\_\_  
Initials:

Please Print Title: \_\_\_\_\_

SECTION 5

# SERVICE PLAN

## 5.1 OVERVIEW

Motorola Solutions is proposing our Advanced Services for ASTRO® 25 ASR Site infrastructure, a comprehensive program to sustain the long-term performance of City of Lewistown/Central Montana 911 site during warranty period. Advanced Services consists of the following elements:

- Network Event Monitoring.
- Remote Technical Support.
- Network Hardware Repair.
- On-site Infrastructure Response.
- Annual Preventive Maintenance.
- Network Updates (SUA II)

Together, these elements will help to avoid operational disruptions and maintain the value of City of Lewistown/Central Montana 911 communications investment. The Battery Backup equipment (if purchased) will carry their manufacturer's warranty.

## 5.2 ADVANCED SERVICES ELEMENT DESCRIPTIONS

The following sections describe the elements proposed for City of Lewistown/Central Montana 911 ASTRO 25 ASR Site infrastructure.

### 5.2.1 Network Event Monitoring

Motorola Solutions will continuously monitor City of Lewistown/Central Montana 911's ASTRO 25 ASR Site to detect potential issues or communications outages, maximizing network uptime. Motorola Solutions assesses each alert with advanced event detection and correlation algorithms to determine how to respond. Potential responses include remote restoration or dispatching a local field technician to resolve the incident on-site.

### 5.2.2 Remote Technical Support

Motorola Solutions' Centralized Managed Support Operations (CMSO) will provide Remote Technical Support for infrastructure issues that require specific technical expertise. Experienced technical support specialists will be available to consult with City of Lewistown/Central Montana 911 to help diagnose, troubleshoot, and resolve infrastructure issues. Service Desk maintenance procedures and incident resolution techniques are based on ISO 9001 and TL 9000 standards.

### 5.2.3 Network Hardware Repair

To restore City of Lewistown/Central Montana 911 ASTRO 25 ASR Site components if they malfunction, Motorola Solutions will repair Motorola Solutions-provided infrastructure

equipment. This includes select third-party infrastructure equipment supplied by Motorola Solutions. Motorola Solutions will ship and return repaired equipment, and will coordinate the repair of third-party solution components.

#### **5.2.4 On-site Infrastructure Response**

Motorola Solutions will provide repair service from trained and qualified technicians. Once dispatched, technicians will travel to City of Lewistown/Central Montana 911 ASTRO 25 ASR Site location to diagnose issues and restore functionality. These technicians will run diagnostics on hardware to identify defective components, and repair or replace them as appropriate. Infrastructure Response times are based on a given issue's impact on overall system function.

Travel times and service levels are governed by local geography. Motorola Solutions will provide additional information in the Statement of Work for ASTRO 25 Advanced Services and in the Customer Support Plan agreed between City of Lewistown/Central Montana 911 and Motorola Solutions.

#### **5.2.5 Annual Preventive Maintenance**

Motorola Solutions will annually test and service network components. Qualified field technicians will perform routine hands-on examination and diagnostics of network equipment to keep them operating according to original manufacturer specifications.

### **5.3 MOTOROLA SOLUTIONS SERVICE DELIVERY ECOSYSTEM**

Advanced Services are delivered through a tailored combination of field service personnel, centralized teams, product repair depots, and MyView Portal. These service resources will collaborate to swiftly analyze network issues, accurately diagnose root causes, and efficiently resolve issues to return the network to normal operation.

Motorola Solutions services will be delivered by staff experienced in servicing mission-critical networks. Motorola Solutions uses the Information Technology Infrastructure Library (ITIL) framework to define service tasks based on industry-recognized best practices. As staff perform tasks, service incident information will be available to City of Lewistown/Central Montana 911 administrators and personnel through MyView Portal.

Service activities and Motorola Solutions' service team are described in more detail below.

#### **5.3.1 Centralized Managed Support Operations**

The cornerstone of Motorola Solutions' support process is the Centralized Managed Support Operations (CMSO) organization. This TL 9000/ISO 9001-certified organization is staffed 24x7x365 by experienced service desk specialists, security analysts, and operations managers. The CMSO houses critical central functions, including the Service Desk.

The CMSO Service Desk will serve as a single point of contact for services. It processes service requests, service incidents, change requests, and dispatching. The Service Desk communicates necessary information to stakeholders, bridging communications among City of Lewistown/Central Montana 911, Motorola Solutions, and third-party subcontractors.

Service Desk teams record, track, and update incidents through the Motorola Solutions Customer Relationship Management (CRM) system. They document and respond to inquiries, requests, concerns, and service tickets. When an incident is initiated, the CMSO will engage with teams to resolve that incident. The CMSO will escalate to new teams when needed. Depending on the incident, the CMSO will coordinate incident resolution with local field service and authorized repair depots.

### **5.3.2 Field Service**

Motorola Solutions authorized and qualified field service technicians will perform the On-site Infrastructure Response service, repair malfunctioning hardware in the field, and conduct preventive maintenance tasks. These technicians will coordinate with the Service Desk, technical support teams, and product engineering as needed to resolve incidents.

### **5.3.3 Repair Depot**

The Motorola Solutions Repair Depot will provide City of Lewistown/Central Montana 911 with a central repair location. This will eliminate the need to send network equipment to multiple vendor locations for repair. Motorola Solutions tracks products sent to the Depot via a case management system throughout the repair process. This system will enable City of Lewistown/Central Montana 911 representatives to check repair status, from inbound shipment to return.

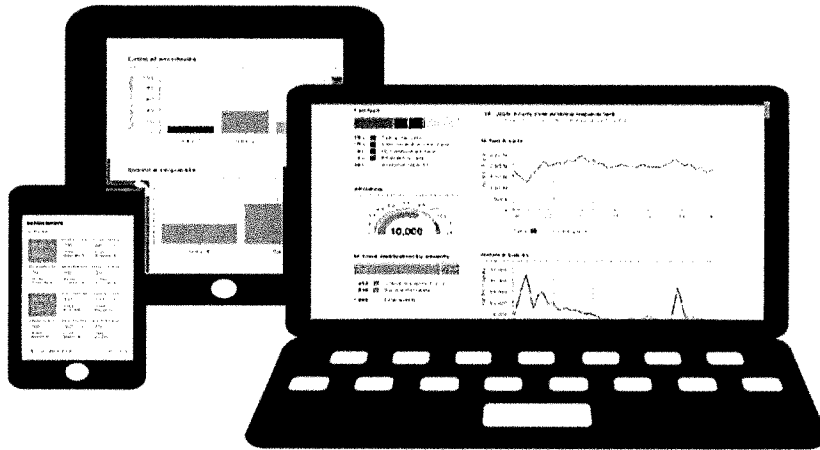
### **5.3.4 Customer Support Manager**

A Motorola Solutions Customer Support Manager (CSM) will be City of Lewistown/Central Montana 911 key point of contact for the definition and administration of services. The CSM will work with City of Lewistown/Central Montana 911 to define service delivery details to address City of Lewistown/Central Montana 911 specific priorities.

### **5.3.5 MyView Portal**

To provide City of Lewistown/Central Montana 911 with quick access to service details, Motorola Solutions will provide our MyView Portal online network information tool. MyView Portal provides our customers with real-time critical network and services information through an easy-to-use graphical interface.





**Figure 5-1: MyView Portal offers real-time, role-based access to critical network and services information.**

With MyView Portal, City of Lewistown/Central Montana 911 administrators will be able to monitor system health and maintenance updates. Capabilities include:

- Viewing network and support compliance.
- Viewing incident reports.
- Updating and creating incidents.
- Checking system update status.
- Receiving pro-active notifications regarding updates.

Available 24x7x365 from any web-enabled device, the information provided by MyView will be based on your needs and user access permissions, ensuring that the information displayed is secure and pertinent to your operations.

## 5.4 NETWORK UPDATES (SUA II)

With our proposed Network Updates Service, Motorola commits to sustain City of Lewistown/Central Montana 911 ASTRO 25 ASR Site through a program of software and hardware updates aligned with the ASTRO 25 platform lifecycle. This comprehensive approach to technology sustainment will ensure that City of Lewistown/Central Montana 911 has access to the latest available standard features, as well as the opportunity to incorporate optional features through the purchase of hardware and/or software licenses. Updates and expansion of system components will optimize the availability of repair services, and will enable City of Lewistown/Central Montana 911 to add RF sites, dispatch positions, data subsystems, network management positions, and other elements to increase capacity and processing capability. The Network Updates Service will provide up to one upgrade every two years throughout the life of the service agreement. Motorola will minimize any interruption to system operation during each network update, with minimal reliance on City of Lewistown/Central Montana 911's personnel. The Network Updates will cover the GTR 8000 Base Stations and Motorola provided Network Equipment.

# PRICING SUMMARY

Motorola Solutions is pleased to provide the following equipment and services to Central Montana 911.

## Equipment and Installation

Description	Price (\$)
ASR Site Equipment, Implementation, and Warranty	\$590,000
<del>4 Hour Battery Backup Equipment and Installation</del>	<del>\$30,000</del>
<del>8 Hour Battery Backup Equipment and Installation</del>	<del>\$46,000</del>

## Post Warranty Maintenance Services for the ASR Site

Description	Price
Year 2 Post Warranty Maintenance	\$22,285
Year 3 Post Warranty Maintenance	\$23,150
Year 4 Post Warranty Maintenance	\$24,057
Year 5 Post Warranty Maintenance	\$25,010
<b>Total Post Warranty Maintenance Services for the ASR Site</b>	<b>\$94,502</b>

## Network Update Services (SUA II)

Description	Price
Year 2 Network Update Services	\$9,443
Year 3 Network Update Services	\$9,562
Year 4 Network Update Services	\$9,685
Year 5 Network Update Services	\$9,813
<b>Total Network Update Services (SUA II)</b>	<b>\$38,503</b>

Total 5 yr cost  
\$ 723,005.00

Please reference the provided R56 standards and guidelines for the preparations of the room slated to house, the new ASR site, and battery backup unit.

