

**MOUNTAIN IRON CITY COUNCIL MEETING  
COMMUNITY CENTER  
MOUNTAIN IRON ROOM  
MONDAY, DECEMBER 15, 2008 - 6:30 P.M.  
A G E N D A**

- I. Roll Call
  - II. Consent Agenda
    - A. Minutes of the December 1, 2008, Regular Meeting (#1-8)
    - B. Communications (#60-61)
    - C. Receipts
    - D. Bills and Payroll
  - III. Public Forum
  - IV. Committee and Staff Reports
    - A. Mayor's Report
    - B. City Administrator's Report
      - 1. Mesabi Humane Society Contract (#9-11)
    - C. Director of Public Works Report
    - D. City Attorney's Report
    - E. Sheriff's Department Report
    - F. City Engineer's Report
    - G. Liaison Reports
  - V. Unfinished Business
  - VI. New Business
    - A. 2009 Budget (#12-30)
    - B. Resolution 61-08 Adopting Final Levy (#30)
    - C. Resolution 62-08 Adopting Market Rate Levy (#31)
    - D. Resolution 63-08 Adopting EDA Levy (#32)
    - E. Resolution 64-08 Adopting HRA Levy (#33)
    - F. Fire Truck Specifications (#34-56)
    - G. Minimum Housing Standards (#57)
    - H. City Hall/Community Center Expenses (#58)
    - I. Reservoir Expenses (#59)
    - J. Communications (#60-61)
  - VII. Open Discussion on City Business
  - VIII. Announcements
  - IX. Adjourn
- # Denotes page number in packet

MINUTES  
MOUNTAIN IRON CITY COUNCIL  
DECEMBER 1, 2008

Mayor Skalko called the City Council meeting to order at 6:33 p.m. with the following members present: Joe Prebeg, Jr., Tony Zupancich, Alan Stanaway, Ed Roskoski, and Mayor Gary Skalko. Also present were: Craig J. Wainio, City Administrator; Jill M. Anderson, Municipal Services Secretary; and Don Kleinschmidt, Director of Public Works.

It was moved by Skalko and seconded by Zupancich that the consent agenda be approved as follows:

1. Approve the minutes of the November 17, 2008, regular meeting as submitted.
2. Approve the minutes of the November 24, 2008, special meeting as submitted.
4. Approve the minutes of the November 24, 2008, committee-of-the-whole (2009 budget review) meeting as submitted.
5. That the communications be accepted, placed on file, and those requiring further action by the City Council be acted upon during their proper sequence on the agenda.
6. To acknowledge the receipts for the period November 16-30, 2008, totaling \$90,338.92, (a list is attached and made a part of these minutes).
7. To authorize the payments of the bills and payroll for the period November 16-30, 2008, totaling \$205,929.78, (a list is attached and made a part of these minutes).

The motion carried unanimously on a roll call vote.

It was moved by Stanaway and seconded by Prebeg to approve the following consent agenda item:

3. Approve the minutes of the November 24, 2008, committee-of-the-whole (with Planning and Zoning Commission) meeting as submitted with the following additional wording added: "It was the consensus of the Council that the questions regarding the survey requirements go back to the Planning and Zoning Commission to make a recommendation to the City Council."

The motion carried.

The Mayor updated the Council on the following:

- First Responders. The City has been advertising in the Mesabi Daily News for First Responders. He said that the group is in dire need of additional First Responders in Mountain Iron. He said that he would be addressing the Fire Department members with a request for applications for First Responders from the new firemen.

- City Council. He advised the public that the Council would not be changing in 2009. He also said that should any Council Member not want to serve on certain Committees to advise him, or the Committee appointments will remain the same.
- Boards and Commission. He advised the Council that nine board/commission positions would be expiring and they all requested to be re-appointed.
- Saint Louis County. He informed the Council that he spoke with Commissioner Nelson and he was informed that the County would be reviewing County Road 102 going into Downtown Mountain Iron for needed repairs.
- Thank you. He advised the Council that a thank you note was received from Carolyn Olsen regarding the work completed on Old Highway 169.

It was moved by Skalko and seconded by Zupancich to set a Labor Management Meeting for Thursday, December 11, 2008, at 2 p.m. with a backup date of December 18, 2008. The motion carried.

It was moved by Skalko and seconded by Zupancich to adopt Resolution Number 60-08, supporting the Polymet Mining Project, (a copy is attached and made a part of these minutes). And further, to direct Staff to send the Resolution to the appropriate people. The motion carried.

The City Administrator updated the Council on the following:

- 2009 Proposed Budget. He requested that the Council review the updated 2009 budget worksheets.
- 2009 Enterprise Fund Budgets. He advised the Council that the Utility Advisory Board would be recommending approval of the Enterprise Fund Budgets.
- Mountain Manor. The preconstruction meeting was held for the Mountain Manor Apartment Renovation Project and construction should begin December 15, 2008.

It was moved by Zupancich and seconded by Prebeg to authorize City Staff to seek quotes for the painting of the Community Center. The motion carried with Roskoski voting no.

It was moved by Zupancich and seconded by Stanaway to authorize the purchase of compact fluorescent lights from United Electric at their quote of \$18,530.00 for the mandated Conservation Improvement Program through the Electric Fund. The motion carried with Roskoski voting no.

It was moved by Prebeg and seconded by Zupancich to rescind the motion made at the November 17, 2008, meeting awarding the quote for the replacement of support gravel and filtration media for the Water Treatment Plant to Gridor Construction in the amount of \$64,680 and award the bid to the lowest quote of Magney Construction Incorporated in the amount of \$64,300. The motion carried unanimously on a roll call vote.

It was moved by Prebeg and seconded by Stanaway to accept the recommendation of the Parks and Recreation Board and close the skating rinks in Ann's Acres and Downtown, and add a new rink in the South Grove Recreation area. The motion carried with Roskoski voting no.

It was moved by Prebeg and seconded by Zupancich to authorize Benchmark Engineering to evaluate the condition and use of Cardinal Street as it extends west from Oriole Avenue as well as provide recommendations for possible upgrade. The motion carried.

It was moved by Skalko and seconded by Roskoski to direct City Staff to work with MN/DoT and Saint Louis County Officials to review and recommend possible changes to the signage identifying the Mountain Iron city limits as well as other identification signage. The motion carried.

The following items were discussed during the Liaison Reports:

- Library Board. Councilor Stanaway reviewed the November, 2008 statistics.
- Civic Association. Councilor Roskoski advised the Council that the IRRR grant application for the train canopy was denied.

It was moved by Zupancich and seconded by Roskoski to authorize Walker, Giroux, and Hahne to perform the 2008 audit for the proposed price of \$18,400 for the Governmental Funds and \$8,700 for the Enterprise Funds. The motion carried.

It was moved by Prebeg to approve the request of Bob and Beth Skalko for a one year extension for Lot 1, Block 1, Unity Second Addition. The motion carried.

It was moved by Roskoski and supported by Zupancich that the liquor and cigarette license applications for the period January 1, 2009 through December 31, 2009, be approved and issued to the following individuals and business establishments pursuant to the approval, where necessary, of the Liquor Control Commission and pursuant to the payment of all outstanding license fees and utility charges:

Jeff & Greg Properties, Inc.  
DBA: B. G.'s Saloon  
5494 Highway 7  
Virginia (Mountain Iron), MN 55792

On-Sale Intoxicating Liquor  
Sunday On-Sale Intoxicating Liquor  
Off-Sale Non-Intoxicating Liquor

Silver Creek Liquor Company, Inc.  
DBA: Silver Creek Liquor  
5489 Highway 7  
Virginia (Mountain Iron), MN 55792

Off-Sale Intoxicating Liquor  
Cigarette

Commander  
American Legion Post #220  
5748 Mountain Avenue, PO Box 361  
Mountain Iron, MN 55768

Club On-Sale Intoxicating Liquor  
Off-Sale Non-Intoxicating Liquor

Mac's Bar, Inc.  
DBA: Mac's Bar  
8881 Main Street, PO Box 313  
Mountain Iron, MN 55768

Off-Sale Intoxicating Liquor  
On-Sale Intoxicating Liquor  
Sunday On-Sale Intoxicating Liquor  
Cigarette



## Summary By Category And Distribution

Category	Distribution	Amount
MISCELLANEOUS	FAX CHARGES	33.00
UTILITY	UTILITY	74,677.02
CHARGE FOR SERVICES	ELECTRIC-CHG FOR SERVICES	2,289.34
METER DEPOSITS	ELECTRIC	1,050.00
PERMITS	BUILDING	1,296.96
MISCELLANEOUS	ASSESSMENT SEARCHES	180.00
MISCELLANEOUS	REIMBURSEMENTS	159.25
BUILDING RENTALS	SENIOR CENTER	90.00
BUILDING RENTALS	BUILDING RENTAL DEPOSITS	100.00
MISCELLANEOUS	MISC. - GENERAL	-
BUILDING RENTALS	NICHOLS HALL	25.00
SPECIAL ASSESSMENTS	SPECIAL ASSESS.-BOND MONEY	5,200.20
FINES	CRIMINAL	1,879.82
MISCELLANEOUS	REIMB TELEVISIONING SPORTS	480.00
MISCELLANEOUS	REFUNDS/ REIMBURSEMENTS	507.00
CD INTEREST	CD INTEREST 101	260.84
CD INTEREST	CD INTEREST 378	1,233.09
CD INTEREST	CD INTEREST 602	426.83
CD INTEREST	CD INTEREST 603	450.57
Summary Totals:		<u>90,338.92</u>

Check Issue Date(s): 11/22/2008 - 12/05/2008

Per	Date	Check No	Vendor No	Payee	Check GL Acct	Amount
12/08	12/02/2008	137310	10009	ARCHITECTURAL RESOURCES	301-20200	358.00
12/08	12/02/2008	137311	10019	ARMORY SHELL	101-20200	105.00
12/08	12/02/2008	137312	5007	ASSURANT EMPLOYEE BENEFITS	101-20200	653.15
12/08	12/02/2008	137313	20022	BENCHMARK ENGINEERING INC	101-20200	13,445.02
12/08	12/02/2008	137314	20014	BORDER STATES ELECTRIC SUPPLY	604-20200	5,885.34
12/08	12/02/2008	137315	20047	BROCKWHITE CONSTRUCTION MAT.	602-20200	521.85
12/08	12/02/2008	137316	30026	COMO LUBE & SUPPLIES INC	101-20200	88.85
12/08	12/02/2008	137317	30032	COURT ADMIN.-CONCILIATION	603-20200	25.00
12/08	12/02/2008	137318	30072	CW TECHNOLOGY	301-20200	970.30
12/08	12/02/2008	137319	40042	DETROIT INDUSTRIAL TOOL	604-20200	556.36
12/08	12/02/2008	137320	60026	FASTENAL COMPANY	101-20200	130.03
12/08	12/02/2008	137321	60029	FERGUSON ENTERPRISES INC	101-20200	135.99
12/08	12/02/2008	137322	60040	FIRETECH SERVICE	101-20200	1,969.00
12/08	12/02/2008	137323	70035	G & K SERVICES	101-20200	62.52
12/08	12/02/2008	137324	70029	GUARDIAN PEST CONTROL INC	101-20200	70.40
12/08	12/02/2008	137325	80001	HILLYARD/HUTCHINSON	101-20200	455.82
12/08	12/02/2008	137326	1205	KEVIN SQUILLACE	101-20200	100.00
12/08	12/02/2008	137327	120032	LAKE COUNTRY POWER	101-20200	197.03
12/08	12/02/2008	137328	120002	LAWSON PRODUCTS INC	101-20200	576.64
12/08	12/02/2008	137329	1204	MESSIAH LUTHERAN CHURCH	101-20200	200.00
12/08	12/02/2008	137330	130044	MINNESOTA DEPT OF HEALTH	601-20200	1,497.00
12/08	12/02/2008	137331	130008	MINNESOTA MUNICIPAL UTILITIES	604-20200	440.00
12/08	12/02/2008	137332	130009	MINNESOTA POWER	101-20200	1,046.99
12/08	12/02/2008	137333	130084	MN DEPARTMENT OF HEALTH	101-20200	97.00
12/08	12/02/2008	137334	140052	NORTHEAST SERVICE COOPERATIVE	101-20200	43,162.58
12/08	12/02/2008	137335	40032	OFFICE OF ENTERPRISE TECHNOLOG	604-20200	408.36
12/08	12/02/2008	137336	170007	QUILL CORPORATION	604-20200	429.95
12/08	12/02/2008	137337	170001	QWEST	101-20200	109.56
12/08	12/02/2008	137338	180005	ROAD MACHINERY AND SUPPLY	604-20200	125.78
12/08	12/02/2008	137339	190023	SAINT LOUIS COUNTY EXT OFFICE	101-20200	84.00
12/08	12/02/2008	137340	190079	SCHINDLER ELEVATOR CORPORATIOI	101-20200	1,920.60
12/08	12/02/2008	137341	190082	SECOND AVE COLLISION & TOWING	101-20200	75.00
12/08	12/02/2008	137342	190045	SERVICE SOLUTIONS	101-20200	324.93
12/08	12/02/2008	137343	190024	ST LOUIS CO SHERIFF LITMAN	101-20200	35,833.00
12/08	12/02/2008	137344	190002	ST LOUIS COUNTY AUDITOR	603-20200	100.00
12/08	12/02/2008	137345	190071	SYNERGY GRAPHICS	101-20200	43.92
12/08	12/02/2008	137346	200003	TACONITE TIRE SERVICE	101-20200	313.01
12/08	12/02/2008	137347	1213	TERESA KOCHAR	101-20200	100.00
12/08	12/02/2008	137348	210033	UNICEL	101-20200	1,088.28
12/08	12/02/2008	137349	220025	VERIZON WIRELESS	101-20200	15.79
12/08	12/02/2008	137350	220014	VIKING INDUSTRIAL NORTH	604-20200	56.45
12/08	12/02/2008	137351	240001	XEROX CORPORATION	601-20200	725.64

Totals:

114,504.14

Payroll-PP Ending 11/28/08

91,425.64

TOTAL EXPENDITURES

\$205,929.78



# CITY OF MOUNTAIN IRON

"TACONITE CAPITAL OF THE WORLD"

PHONE: 218-748-7570 • FAX: 218-748-7573 • [www.mtniron.com](http://www.mtniron.com)  
8586 ENTERPRISE DRIVE SOUTH • MOUNTAIN IRON, MN • 55768-8260

## RESOLUTION NUMBER 60-08

### SUPPORTING THE POLYMET MINING PROJECT

**WHEREAS**, the City of Mountain Iron is aware that the PolyMet Mining Project is moving forward in the State and Federal environmental review and permitting process; and

**WHEREAS**, the City of Mountain Iron understands that the PolyMet Project needs to meet or exceed all of Minnesota's strict environmental standards; and

**WHEREAS**, Federal Legislation will allow PolyMet to purchase the surface ownership directly from the United States Forest Service; and

**WHEREAS**, PolyMet will pay the same price for the property whether the transfer is done through a land exchange or through the land sale legislation; and

**WHEREAS**, the legislation specifically requires the USFS to purchase desirable private holdings within and adjacent to the Superior National Forest and to offset any loss of wetlands from the sale by the acquisition of wetlands within or adjacent to the forest; and

**WHEREAS**, the PolyMet Project will reuse and recycle all water during operation, eliminating any discharge to surface water; and

**WHEREAS**, the PolyMet Project will not require any additional tailing disposal area beyond those already developed at the Erie plant site; and

**WHEREAS**, the PolyMet Project wetland disturbance area has been significantly reduced and will be replaced as required by Minnesota Statute; and

**WHEREAS**, the PolyMet Project will manage and treat all wastes as determined appropriate through the environmental review process; and

**WHEREAS**, the company has stated intent to utilize the best mining and reclamation practices, coupled with clean and energy efficient metal recovery processing that does not include heap leaching or smelting; and

**WHEREAS**, it is anticipated that the PolyMet Project will create approximately 400 full-time, long-term jobs in northeastern Minnesota; and

**WHEREAS**, it is anticipated that the PolyMet Project will require over 1 million hours of labor during its construction phase; and



**WHEREAS**, the PolyMet Project is anticipated to generate 500 spin-off jobs in St. Louis County alone; and

**WHEREAS**, it is anticipated that the PolyMet Project will contribute millions of dollars to local cities and school districts and the State through net proceed taxes, ad valorem taxes, occupation taxes, and royalties; and

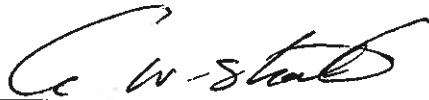
**WHEREAS**, the City of Mountain Iron recognizes the tremendous benefit the PolyMet Mining Project will provide to the region.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY OF MOUNTAIN IRON, MINNESOTA**, that the City of Mountain Iron strongly supports the PolyMet Mining Project.

**DULY ADOPTED BY THE CITY COUNCIL THIS 1<sup>st</sup> DAY OF DECEMBER, 2008.**

ATTEST:

\_\_\_\_\_  
City Administrator

  
\_\_\_\_\_  
Mayor Gary Skalko

## CONTRACT FOR SERVICE

This contract, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2009 by and between the Mesabi Humane Society, Range Animal Shelter, 2305 Southern Drive, Virginia, MN 55792, referred to as the Mesabi Humane Society, and the City of Mountain Iron hereinafter referred to as the Municipality.

### I. RECITALS

**WHEREAS**, this contract will use the term “animals” to mean domesticated dogs and cats. All other animals are not covered or considered within this document, nor handled by the Mesabi Humane Society.

**WHEREAS**, the Municipality is in need of shelter and care of animals found within the city limits and in need of an animal control program and service.

**WHEREAS**, the Mesabi Humane Society has a facility and is qualified and licensed to provide such care, shelter and animal control services.

**WHEREAS**, the Municipality wishes to purchase these services from the Mesabi Humane Society, in accordance with this contract.

**WHEREAS**, in consideration of the mutual covenants contained herein, it is agreed and understood as follows:

### II. TERMS

The term of this contract shall be from January 1, 2009 through December 31, 2009 to be reviewed for revisions by both parties on yearly intervals in order for this animal control service and program to best serve both the Municipality and the Mesabi Humane Society.

### III. BASIC SERVICES

The Mesabi Humane Society agrees to provide the following services:

1. Shelter and care for animals detained or taken possession of in the city limits of the Municipality. These will be animals captured and contained by the Humane Society Animal Control Officer (A.C.O.)
2. Shelter and care for stray/free roaming animals that are delivered to the shelter by the residents, Municipality officials and employees of the Municipality on a volunteer basis. If the Mesabi Humane Society reaches operating capacity as allowed by law, then we will reserve the right to refuse incoming animals until space can be made. We will not refuse an injured animal, nor will we refuse to capture and contain a dangerous animal if the appropriate requests and notifications are made.
3. Pick up and transport animals from the Municipality to the shelter during business hours, upon request of the appropriate Municipality officials and citizens within the Municipalities residential limits.
4. The Animal Control Officer (A.C.O.) will patrol the Municipality in the Animal Control Officer's identified vehicle at random times during the week to check for, and pick up free-roaming animals within the city limits of the Municipality. The Animal Control Officer will work with the Municipalities Police Department, and Municipality officials to help uphold all Municipality ordinances governing animals within their limits.
5. Animal examinations and veterinary care at a licensed facility, whenever staff deems it necessary.
6. The Mesabi Humane Society will board animals up to seven (7) working days in our holding facility. This gives us legal custody of any animals, and the right to make decisions regarding animals in our possession.

7. Euthanasia and disposal if required. This decision is to be based on health and behavioral issues only, not the need for more space for new incoming, or free roaming animals, as outlined in the Mesabi Humane Society policy handbook.
8. All animals leaving the Mesabi Humane Society will be spayed, or neutered before adoption, except in the case when over-crowded becomes a concern, or the age, size or temperament prohibits. If this situation arises a deposit will be charged to the adoptee to ensure this procedure is followed within certain time constraints.
9. Keep accurate records of all transactions concerning animals from the Municipality and/or residents.
10. Respond to all animal concerns and situations that arise in the Municipality in a timely manner, during normal business hours. If there is an emergency after hours of operation (9 am – 6 pm M-F, 9 am – 4 pm Sat – Sun) the Director and/or Animal Control Officer will be contacted via telephone, and will address the issue based on urgency and risk to public safety. The Director or Animal Control Officer will have the right to refuse service after normal business hours if the case is deemed to be non-emergency, or there is no risk to the public safety.

#### **IV. RESPONSIBILITIES OF THE MUNICIPALITY**

1. It is up to the Municipality to help the Mesabi Humane Society uphold quarantine (confine & observe) guidelines. The Mesabi Humane Society reserves the right to make decisions regarding bites & human exposure.
2. The Municipality shall call the Mesabi Humane Society for pick-up of animal (s) during normal business hours, or make attempts to contact the M.H.S. regarding the animals and/or concern if after business hours.

**\*\* If agreed upon, ONLY after contacting the Mesabi Humane Society Director or Animal Control Officer, Municipality appointed personnel may bring animal (s) to the shelter and place animals in the outdoor kennel after regular business hours. The animal (s) will then be admitted into the shelter the following morning, when an employee arrives. If these situations arise, the Mesabi Humane Society MUST be notified where the animal has been removed or captured from, and the situation regarding the placement of the animal in our kennel.**

3. If an emergency veterinary situation arises before or after normal Mesabi Humane Society business hours, the Municipality will pay for the emergency part of the veterinary billing, and the Mesabi Humane Society will pay any other costs related to the well-being and care of the animal. Appropriate care, and determination of care needs will be made by the veterinarian who intakes the animal after Mesabi Humane Society business hours, and they along with the Mesabi Humane Society will have the rights to make decisions regarding care.

#### **V. COMPENSATION**

The Municipality shall pay the Mesabi Humane Society the following fee: \$1,500.00 per month. Payments are to be made at the beginning of each month for the ensuing period of service (i.e. January 01 payment for January services, etc.). Failure to make payments in a timely manner can be considered as a breach of this contract and result in immediate severance of service. Payments are considered late after the 15<sup>th</sup> of the month billed.

#### **VI. COMPLIANCE WITH LAWS**

In providing all services pursuant to this contract, the Mesabi Humane Society shall abide by all statutes, ordinances, rules, and regulations pertaining to or regulating the provision of such services, including those now in effect and hereinafter adopted, as provided by each and all Municipalities. It will be the sole responsibility of Municipality to give the Mesabi Humane Society its statutes, ordinances and rules and keep the Mesabi Humane Society up to date on any and all changes that may have concern or relation to the provided services and statutes.

**VII. INSURANCE**

The Mesabi Humane Society shall purchase, maintain in full force and effect during the term of this contract and provide proof of the following insurance coverage:

- A. **WORKERS COMPENSATION:** Coverage at statutory limits, as provided by the State of MN.
- B. **COMPENSATION GENERAL LIABILITY:** Coverage shall have minimum limits to \$600,000 per occurrence, combined single limit for Bodily Injury Liability and Property damage Liability.

**VIII. EARLY TERMINATION OF CONTRACT**

Either party upon thirty (30) days written notice, delivered by certified mail or in person, to the other party may terminate this contract.

**IX. MODIFICATIONS**

Any material alterations, modifications, or variations of the terms of this contract shall be valid and enforceable only when they have been reduced to writing as an amendment and signed by both or all parties involved.

**X. RELEASE OF LIABILITY**

The Municipality including the officials and residents agree to hold harmless the Mesabi Humane Society in the case of any injuries or deaths relating to, or regarding; the capture and containment of any stray, or free-roaming animals. The Municipality also agrees to refrain from any legal action against the Mesabi Humane Society in the case of any harm or damage caused by stray or free-roaming domesticated animals.

**XI. ENTIRE AGREEMENT**

It is understood and agreed by the parties that the entire agreement of the parties is contained herein and that the contract supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof as well as any previous agreements presently in effect between the Mesabi Humane Society and the Municipality. The parties hereto revoke any prior oral or written agreements between themselves, and agree that this contract is the only and complete agreement regarding the subject thereof. This contract becomes legal and binding once signed by both parties.

MESABI HUMANE SOCIETY

BY: *Ke R*

DATE: 11-25-2008

TITLE: Executive Director

MUNICIPALITY

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

## **COUNCIL LETTER 121508-VA-E**

### **ADMINISTRATION**

### **2009 BUDGET**

**DATE:** December 10, 2008

**FROM:** Craig J. Wainio  
City Administrator

---

At this meeting, the City Council is required to adopt the 2009 budget and set the levy for 2009.

First, the City Council needs to adopt the 2009 Budget. Enclosed is a copy of the proposed budget for 2009.

Secondly, the City needs to adopt a Resolution setting the general levy for 2009. Enclosed is Resolution Number 61-08 approving the general levy. This Resolution reflects levy decrease as discussed at the previous City Council meetings.

Thirdly, the City Council needs to adopt Resolution Number 62-08 setting the market rate levy for 2009. The market rate levy is used to cover the payments for the community center bonds. Resolution Number 62-08 reflects the amount needed to cover the bond payment for 2009.

Fourth, the City Council needs to adopt Resolution Number 63-08 setting the levy for the EDA. In 2007 this levy generated approximately \$19,600 for the EDA.

Finally is Resolution Number 64-08 setting no levy for the HRA.

**2009 BUDGET SUMMARY  
CITY OF MOUNTAIN IRON**

EXPENDITURES	2008 Budget	2009 Budget	Difference	Percent
Administration	\$ 550,900.00	\$ 580,300.00	\$ 29,400.00	5.3%
Public Safety	\$ 546,800.00	\$ 555,200.00	\$ 8,400.00	1.5%
Public Works	\$ 804,500.00	\$ 840,000.00	\$ 35,500.00	4.4%
Culture and Rec	\$ 388,500.00	\$ 396,500.00	\$ 8,000.00	2.1%
General Government	\$ 919,007.00	\$ 1,238,000.00	\$ 318,993.00	34.7%
<b>TOTAL</b>	<b>\$ 3,209,707.00</b>	<b>\$ 3,610,000.00</b>	<b>\$ 400,293.00</b>	<b>12.5%</b>

**REVENUE**

Taxes	\$ 133,102.00	\$ 339,092.00	\$ 205,990.00	154.8%
Intergovernmental Aid	\$ 1,885,649.00	\$ 2,316,762.00	\$ 431,113.00	22.9%
General Revenue	\$ 210,000.00	\$ 213,000.00	\$ 3,000.00	1.4%
<b>TOTAL</b>	<b>\$ 2,228,751.00</b>	<b>\$ 2,868,854.00</b>	<b>\$ 640,103.00</b>	<b>28.7%</b>

**GENERAL LEVY**      \$ 980,956.00      \$ 741,146.00      \$ (239,810.00)      -24.4%



**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**REVENUE**

TAXES	2006		2007		2008		2009		%
	ACTUAL		ACTUAL	BUDGET	YTD	BUDGET	BUDGET		
Tax Levy	\$ 750,356.00	\$	\$ 863,610.00	\$ 1,002,969.00	\$ 472,906.00	\$	\$ 741,146.00		-26.1%
Special Levies	\$ -	\$	\$ -	\$ -	\$ -	\$	\$ 207,407.00		100.0%
Bond Levy	\$ 87,378.00	\$	\$ 85,536.00	\$ 83,102.00	\$ 46,646.00	\$	\$ 81,685.00		-1.7%
Misc Taxes	\$ 197,371.00	\$	\$ 16,754.00	\$ 30,000.00	\$ 15,532.00	\$	\$ 30,000.00		0.0%
Franchise	\$ 21,310.00	\$	\$ 23,207.00	\$ 20,000.00	\$ 17,768.00	\$	\$ 20,000.00		0.0%
<b>TOTAL</b>	<b>\$ 1,056,415.00</b>	<b>\$</b>	<b>\$ 989,107.00</b>	<b>\$ 1,136,071.00</b>	<b>\$ 552,852.00</b>	<b>\$</b>	<b>\$ 1,080,238.00</b>		<b>-4.9%</b>

**INTERGOVERNMENTAL REVENUE**

LGA	\$ 623,882.00	\$	\$ 718,350.00	\$ 825,649.00	\$ 412,825.00	\$	\$ 1,208,124.00		46.3%
Tac. Prod Aid	\$ 705,538.00	\$	\$ 603,196.00	\$ 600,000.00	\$ 643,502.00	\$	\$ 620,000.00		3.3%
Tac. Aid	\$ 380,628.00	\$	\$ 391,189.00	\$ 330,000.00	\$ 381,145.00	\$	\$ 351,638.00		6.6%
Mining Effects	\$ 116,157.00	\$	\$ 117,333.00	\$ 110,000.00	\$ 56,117.00	\$	\$ 112,000.00		1.8%
Misc. Aid	\$ 160,277.00	\$	\$ 178,573.00	\$ 20,000.00	\$ 3,265.00	\$	\$ 25,000.00		25.0%
<b>TOTAL</b>	<b>\$ 1,986,482.00</b>	<b>\$</b>	<b>\$ 2,008,641.00</b>	<b>\$ 1,885,649.00</b>	<b>\$ 1,496,854.00</b>	<b>\$</b>	<b>\$ 2,316,762.00</b>		<b>22.9%</b>

**GENERAL REVENUE**

Lic. & Permits	\$ 36,720.00	\$	\$ 27,842.00	\$ 20,000.00	\$ 90,034.00	\$	\$ 25,000.00		25.0%
Charges for Service	\$ 45,195.00	\$	\$ 170,780.00	\$ 50,000.00	\$ 70,524.00	\$	\$ 50,000.00		0.0%
Fines	\$ 12,811.00	\$	\$ 13,866.00	\$ 10,000.00	\$ 13,773.00	\$	\$ 11,000.00		10.0%
Interest	\$ 38,914.00	\$	\$ 49,977.00	\$ 30,000.00	\$ 30,367.00	\$	\$ 32,000.00		6.7%
Refunds	\$ 85,865.00	\$	\$ 21,559.00	\$ 90,000.00	\$ 52,249.00	\$	\$ 90,000.00		0.0%
General	\$ 4,629.00	\$	\$ 296.00	\$ 10,000.00	\$ 1,716.00	\$	\$ 5,000.00		-50.0%
<b>TOTAL</b>	<b>\$ 224,134.00</b>	<b>\$</b>	<b>\$ 284,320.00</b>	<b>\$ 210,000.00</b>	<b>\$ 258,663.00</b>	<b>\$</b>	<b>\$ 213,000.00</b>		<b>1.4%</b>

**TOTAL**      \$ 3,267,031.00      \$ 3,282,068.00      \$ 3,231,720.00      \$ 2,308,369.00      \$ 3,610,000.00      11.7%



**2009 BUDGET SUMMARY  
CITY OF MOUNTAIN IRON  
EXPENDITURES**

DEPARTMENT	2008 Budget	2009 Budget	Difference	Percent
City Council	\$ 15,500.00	\$ 26,000.00	\$ 10,500.00	67.7%
Administration	\$ 475,000.00	\$ 499,000.00	\$ 24,000.00	5.1%
Election	\$ 9,000.00	\$ -	\$ (9,000.00)	-100.0%
Assessing	\$ 28,800.00	\$ 31,000.00	\$ 2,200.00	7.6%
Planning & Zoning	\$ 22,600.00	\$ 24,300.00	\$ 1,700.00	7.5%
Sheriffs	\$ 440,000.00	\$ 440,000.00	\$ -	0.0%
Fire Protection	\$ 88,300.00	\$ 90,700.00	\$ 2,400.00	2.7%
Emergency Management	\$ 6,000.00	\$ 6,000.00	\$ -	0.0%
Animal Control	\$ 12,500.00	\$ 18,500.00	\$ 6,000.00	48.0%
Streets	\$ 640,000.00	\$ 665,000.00	\$ 25,000.00	3.9%
Buildings	\$ 164,500.00	\$ 175,000.00	\$ 10,500.00	6.4%
Campground	\$ 53,500.00	\$ 54,500.00	\$ 1,000.00	1.9%
Recreation	\$ 205,000.00	\$ 205,000.00	\$ -	0.0%
Government	\$ 214,220.00	\$ 235,000.00	\$ 20,780.00	9.7%
Library	\$ 130,000.00	\$ 137,000.00	\$ 7,000.00	5.4%
Transfers	\$ 704,787.00	\$ 1,003,000.00	\$ 298,213.00	42.3%
Total	\$ 3,209,707.00	\$ 3,610,000.00	\$ 400,293.00	12.5%

**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**GOVERNMENT OPERATIONS**

CITY COUNCIL	2006		2007		2008		2009		%	
	ACTUAL		ACTUAL		BUDGET		BUDGET			
Council Salaries	\$ 11,100.00	\$	14,400.00	\$	14,400.00	\$	10,800.00	\$	20,400.00	42%
Other	\$ 6,142.00	\$	8,184.00	\$	1,100.00	\$	3,110.00	\$	5,600.00	409%
<b>TOTAL</b>	\$ 17,242.00	\$	22,584.00	\$	15,500.00	\$	13,910.00	\$	26,000.00	68%

**ADMINISTRATION**

Salaries	\$ 199,512.00	\$	205,481.00	\$	200,000.00	\$	149,075.00	\$	206,000.00	3%
Payroll Taxes	\$ 27,865.00	\$	30,447.00	\$	30,000.00	\$	22,895.00	\$	32,000.00	7%
Insurance-Group	\$ 60,457.00	\$	62,658.00	\$	70,000.00	\$	46,947.00	\$	70,000.00	0%
Insurance-General	\$ 23,382.00	\$	46,404.00	\$	55,000.00	\$	101,729.00	\$	60,000.00	9%
Independent Audit	\$ 14,520.00	\$	15,000.00	\$	15,000.00	\$	15,000.00	\$	16,000.00	7%
Engineering Fees	\$ 18,273.00	\$	25,205.00	\$	35,000.00	\$	52,956.00	\$	40,000.00	14%
Legal Fees	\$ 51,500.00	\$	51,146.00	\$	35,000.00	\$	41,738.00	\$	40,000.00	14%
Communications	\$ 8,491.00	\$	14,320.00	\$	10,000.00	\$	8,897.00	\$	10,000.00	0%
Supplies	\$ 3,958.00	\$	4,011.00	\$	5,000.00	\$	3,619.00	\$	5,000.00	0%
Operations	\$ 34,778.00	\$	27,450.00	\$	20,000.00	\$	19,975.00	\$	20,000.00	0%
<b>TOTAL</b>	\$ 442,736.00	\$	482,122.00	\$	475,000.00	\$	462,831.00	\$	499,000.00	5%

**ELECTION**

Salaries	\$ 2,290.00	\$	-	\$	5,000.00	\$	1,207.00	\$	-	-100%
Operations	\$ 1,320.00	\$	-	\$	4,000.00	\$	393.00	\$	-	-100%
<b>TOTAL</b>	\$ 3,610.00	\$	-	\$	9,000.00	\$	1,600.00	\$	-	0%

**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**GOVERNMENT OPERATIONS**

ASSESSING	2006	2007	2008	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	YTD	BUDGET	
Contract Services	\$ 27,485.00	\$ 29,783.00	\$ 27,800.00	\$ -	\$ 30,000.00	8%
Operations	\$ 589.00	\$ 267.00	\$ 1,000.00	\$ 265.00	\$ 1,000.00	0%
<b>TOTAL</b>	\$ 28,074.00	\$ 30,050.00	\$ 28,800.00	\$ 265.00	\$ 31,000.00	8%

**PLANNING & ZONING**

Salaries	\$ 19,262.00	\$ 14,708.00	\$ 17,000.00	\$ 38,273.00	\$ 18,000.00	6%
Payroll Taxes	\$ 2,161.00	\$ 1,625.00	\$ 2,000.00	\$ 5,034.00	\$ 2,500.00	25%
Operations	\$ 6,122.00	\$ 4,722.00	\$ 3,600.00	\$ 3,214.00	\$ 3,800.00	6%
<b>TOTAL</b>	\$ 27,545.00	\$ 21,055.00	\$ 22,600.00	\$ 46,521.00	\$ 24,300.00	8%

**ADMINISTRATION**

<b>TOTAL</b>	\$ 519,207.00	\$ 555,811.00	\$ 550,900.00	\$ 525,127.00	\$ 580,300.00	5%
--------------	---------------	---------------	---------------	---------------	---------------	----

**2009 BUDGET  
CITY OF MOUNTAIN IRON  
PUBLIC SAFETY**

<b>POLICE PROTECTION</b>	2006 ACTUAL	2007 ACTUAL	2008 BUDGET	2008 YTD	2009 BUDGET	%
Contract Services	\$ 420,000.00	\$ 435,382.00	\$ 430,000.00	\$ 322,501.00	\$ 430,000.00	0%
Other Expenditures	\$ 10,447.00	\$ 8,860.00	\$ 10,000.00	\$ 4,547.00	\$ 10,000.00	0%
<b>TOTAL</b>	\$ 430,447.00	\$ 444,242.00	\$ 440,000.00	\$ 327,048.00	\$ 440,000.00	0%

**FIRE PROTECTION**

Salaries	\$ 22,998.00	\$ 21,923.00	\$ 19,000.00	\$ 11,895.00	\$ 19,000.00	0%
Payroll Taxes	\$ 2,416.00	\$ 2,910.00	\$ 2,100.00	\$ 1,773.00	\$ 2,100.00	0%
Training	\$ 13,525.00	\$ 13,428.00	\$ 20,000.00	\$ 6,810.00	\$ 20,000.00	0%
Maintenance	\$ 6,594.00	\$ 9,979.00	\$ 10,000.00	\$ 7,597.00	\$ 10,000.00	0%
Operations	\$ 17,572.00	\$ 19,686.00	\$ 16,600.00	\$ 16,461.00	\$ 16,600.00	0%
Firemen's Relief	\$ 26,327.00	\$ 30,981.00	\$ 20,600.00	\$ 1,000.00	\$ 23,000.00	12%
<b>TOTAL</b>	\$ 89,432.00	\$ 98,907.00	\$ 88,300.00	\$ 45,536.00	\$ 90,700.00	3%

**EMERGENCY MANAGEMENT**

Plan Update	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00	0%
Operations	\$ 175.00	\$ 100.00	\$ 1,000.00	\$ -	\$ 1,000.00	0%
<b>TOTAL</b>	\$ 175.00	\$ 100.00	\$ 6,000.00	\$ -	\$ 6,000.00	0%

**ANIMAL CONTROL**

Contact Services	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 9,000.00	\$ 18,000.00	50%
Operations	\$ 238.00	\$ 212.00	\$ 500.00	\$ 99.00	\$ 500.00	0%
<b>TOTAL</b>	\$ 12,238.00	\$ 12,212.00	\$ 12,500.00	\$ 9,099.00	\$ 18,500.00	48%

**PUBLIC SAFETY**

<b>TOTAL</b>	\$ 532,292.00	\$ 555,461.00	\$ 546,800.00	\$ 381,683.00	\$ 555,200.00	2%
--------------	---------------	---------------	---------------	---------------	---------------	----

**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**PUBLIC WORKS**

STREETS	2006	2007	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	BUDGET	
Salaries	\$ 345,430.00	\$ 329,120.00	\$ 350,000.00	\$ 360,000.00	3%
Payroll Taxes	\$ 46,384.00	\$ 47,851.00	\$ 50,000.00	\$ 50,000.00	0%
Insurance-Group	\$ 103,949.00	\$ 141,938.00	\$ 110,000.00	\$ 110,000.00	0%
Utilities	\$ 47,992.00	\$ 46,201.00	\$ 50,000.00	\$ 50,000.00	0%
Maintenance	\$ 72,888.00	\$ 95,047.00	\$ 45,000.00	\$ 50,000.00	11%
Supplies	\$ 28,740.00	\$ 31,361.00	\$ 20,000.00	\$ 25,000.00	25%
Operations	\$ 19,003.00	\$ 7,205.00	\$ 15,000.00	\$ 20,000.00	33%
<b>TOTAL</b>	\$ 664,386.00	\$ 698,723.00	\$ 640,000.00	\$ 665,000.00	4%

BUILDINGS	2006	2007	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	BUDGET	
Salaries	\$ 59,556.00	\$ 71,591.00	\$ 60,000.00	\$ 62,000.00	3%
Payroll Taxes	\$ 8,309.00	\$ 11,222.00	\$ 9,500.00	\$ 10,000.00	5%
Insurance-Group	\$ 22,419.00	\$ 25,342.00	\$ 20,000.00	\$ 21,000.00	5%
Utilities	\$ 42,243.00	\$ 45,601.00	\$ 40,000.00	\$ 45,000.00	13%
Communications	\$ 1,329.00	\$ 1,210.00	\$ 2,000.00	\$ 2,000.00	0%
Supplies	\$ 17,196.00	\$ 21,443.00	\$ 13,000.00	\$ 15,000.00	15%
Operations	\$ 22,514.00	\$ 32,759.00	\$ 20,000.00	\$ 20,000.00	0%
<b>TOTAL</b>	\$ 173,566.00	\$ 209,168.00	\$ 164,500.00	\$ 175,000.00	6%

<b>PUBLIC WORKS</b>	\$ 837,952.00	\$ 907,891.00	\$ 804,500.00	\$ 840,000.00	4%
<b>TOTAL</b>					

**2009 BUDGET  
CITY OF MOUNTAIN IRON  
CULTURE AND RECREATION**

CAMPGROUND	2006	2007	2008	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	YTD	BUDGET	
Salaries	\$ 19,830.00	\$ 14,676.00	\$ 20,000.00	\$ 16,438.00	\$ 21,000.00	5%
Payroll Taxes	\$ 2,140.00	\$ 1,393.00	\$ 2,000.00	\$ 1,385.00	\$ 2,000.00	0%
Insurance-Group	\$ 2,487.00	\$ 1,401.00	\$ 5,000.00	\$ 845.00	\$ 5,000.00	0%
Utilities	\$ 6,347.00	\$ 7,568.00	\$ 7,000.00	\$ 5,429.00	\$ 7,000.00	0%
Operations	\$ 31,484.00	\$ 34,559.00	\$ 18,500.00	\$ 25,367.00	\$ 18,500.00	0%
Advertising	\$ 300.00	\$ 166.00	\$ 1,000.00	\$ 509.00	\$ 1,000.00	0%
<b>TOTAL</b>	\$ 62,588.00	\$ 59,763.00	\$ 53,500.00	\$ 49,973.00	\$ 54,500.00	2%

**RECREATION DEPARTMENT**

Salaries	\$ 94,679.00	\$ 76,867.00	\$ 107,000.00	\$ 51,032.00	\$ 107,000.00	0%
Payroll Taxes	\$ 12,350.00	\$ 9,990.00	\$ 13,000.00	\$ 6,402.00	\$ 13,000.00	0%
Insurance-Group	\$ 27,458.00	\$ 22,831.00	\$ 25,000.00	\$ 13,905.00	\$ 25,000.00	0%
Utilities	\$ 9,819.00	\$ 11,792.00	\$ 11,000.00	\$ 7,455.00	\$ 11,000.00	0%
Maintenance	\$ 6,119.00	\$ 11,807.00	\$ 9,000.00	\$ 19,109.00	\$ 9,000.00	0%
Operations	\$ 13,760.00	\$ 22,838.00	\$ 22,000.00	\$ 19,121.00	\$ 22,000.00	0%
Baseball/Softball	\$ 6,024.00	\$ 3,089.00	\$ 6,000.00	\$ 2,190.00	\$ 6,000.00	0%
Special Events	\$ 8,599.00	\$ 11,897.00	\$ 12,000.00	\$ 15,259.00	\$ 12,000.00	0%
<b>TOTAL</b>	\$ 178,808.00	\$ 171,111.00	\$ 205,000.00	\$ 134,473.00	\$ 205,000.00	0%

**LIBRARY**

Salaries	\$ 72,604.00	\$ 63,024.00	\$ 75,000.00	\$ 48,037.00	\$ 80,000.00	7%
Payroll Taxes	\$ 8,351.00	\$ 9,973.00	\$ 10,000.00	\$ 8,390.00	\$ 12,000.00	20%
Insurance-Group	\$ 2,430.00	\$ 12,848.00	\$ 10,000.00	\$ 12,599.00	\$ 10,000.00	0%
Utilities	\$ 8,118.00	\$ 7,615.00	\$ 8,000.00	\$ 5,114.00	\$ 8,000.00	0%
Books	\$ 14,346.00	\$ 9,469.00	\$ 17,000.00	\$ 8,114.00	\$ 17,000.00	0%
Communications	\$ 4,572.00	\$ 5,188.00	\$ 5,000.00	\$ 3,399.00	\$ 5,000.00	0%
Operations	\$ 6,608.00	\$ 8,151.00	\$ 5,000.00	\$ 7,345.00	\$ 5,000.00	0%
<b>TOTAL</b>	\$ 117,029.00	\$ 116,268.00	\$ 130,000.00	\$ 92,998.00	\$ 137,000.00	5%

**CULTURE AND RECREATION**

<b>TOTAL</b>	\$ 358,425.00	\$ 347,142.00	\$ 388,500.00	\$ 277,444.00	\$ 396,500.00	2%
--------------	---------------	---------------	---------------	---------------	---------------	----

**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**GENERAL GOVERNMENT**

GENERAL GOVERNMENT	2006	2007	2008	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	YTD	BUDGET	
Cash Short and Over	\$ 164.00	\$ 7.00	\$ 10.00	\$ (4.00)	\$ 10.00	0%
Cemeteries	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	0%
Retire/Pension Contrib.	\$ 105,723.00	\$ 110,515.00	\$ 110,000.00	\$ 94,095.00	\$ 120,000.00	9%
Public Expense	\$ 5,920.00	\$ 2,681.00	\$ 9,990.00	\$ 2,195.00	\$ 9,990.00	0%
Promotion and Tourism	\$ 2,280.00	\$ 2,455.00	\$ 2,500.00	-	\$ 2,500.00	0%
EMT Equipment	\$ 1,607.00	\$ 32,751.00	\$ 12,000.00	\$ 1,120.00	\$ 12,000.00	0%
Intergovernmental Coop	\$ 803.00	\$ 1,221.00	-	\$ 1,920.00	-	0%
Contribution - QCJRA	\$ 6,720.00	\$ 6,720.00	\$ 6,720.00	\$ 6,720.00	\$ 10,000.00	49%
Planning	-	\$ 7,500.00	\$ 10,000.00	-	\$ 5,000.00	-50%
Televise Meetings	\$ 3,950.00	\$ 3,900.00	\$ 5,000.00	\$ 3,300.00	\$ 5,000.00	0%
Hydrants	\$ 779.00	\$ 210.00	\$ 2,000.00	\$ 259.00	\$ 2,000.00	0%
TCBDA	\$ 47,190.00	\$ 49,639.00	\$ 50,000.00	\$ 36,442.00	\$ 50,000.00	0%
Mineview in the Sky	-	-	-	\$ 2,500.00	\$ 2,500.00	100%
Tax Abatement	-	-	-	\$ 5,000.00	\$ 10,000.00	100%
VRMC Contribution	\$ 2,500.00	\$ 2,000.00	-	-	-	0%
<b>TOTAL</b>	\$ 183,636.00	\$ 225,599.00	\$ 214,220.00	\$ 159,547.00	\$ 235,000.00	10%
<b>TRANSFERS</b>						
Capital Improvement	\$ 301,030.00	\$ 388,358.00	\$ 343,787.00	\$ 257,840.00	\$ 578,000.00	68%
Mining Effects	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	0%
Debt Service	\$ 235,000.00	\$ 229,267.00	\$ 311,000.00	\$ 233,249.00	\$ 375,000.00	21%
<b>TOTAL</b>	\$ 586,030.00	\$ 667,625.00	\$ 704,787.00	\$ 541,089.00	\$ 1,003,000.00	42%
<b>GENERAL GOVERNMENT</b>						
<b>TOTAL</b>	\$ 769,666.00	\$ 893,224.00	\$ 919,007.00	\$ 700,636.00	\$ 1,238,000.00	35%
<b>TOTAL EXPENDITURES</b>	\$ 3,017,542.00	\$ 3,259,529.00	\$ 3,209,707.00	\$ 2,506,942.00	\$ 3,610,000.00	

2009 Capital Improvement Budget

	2009
<b>REVENUE</b>	
General Fund	\$ 628,000.00
Grants	\$ 1,193,280.00
Utilities	\$ 25,000.00
<b>TOTAL</b>	<b>\$1,846,280.00</b>

EXPENDITURE	Department	Projects	Grants	Utilities	TOTAL
Technology Upgrades	Admin	\$ 20,000.00			\$ 20,000.00
Slate Street Storm Sewer	Streets	\$ 50,000.00	\$ 50,000.00		\$ 100,000.00
Old Town Streetscape	Development	\$ 50,000.00	\$ 143,280.00		\$ 193,280.00
2008 Equipment Purchase	Streets	\$ 103,000.00			\$ 103,000.00
Pickup Truck	Parks	\$ 25,000.00			\$ 25,000.00
Community Center Painting	Buildings	\$ 30,000.00			\$ 30,000.00
Garage Roof	Streets	\$ 50,000.00		\$ 25,000.00	\$ 75,000.00
Squad Car	Sheriffs	\$ 30,000.00			\$ 30,000.00
Old Highway 169	Streets	\$ 125,000.00			\$ 125,000.00
Grass Rig	Fire	\$ 35,000.00			\$ 35,000.00
Locomotive Park	Parks	\$ 50,000.00			\$ 50,000.00
Playground - Ann's Acres	Parks	\$ 35,000.00			\$ 35,000.00
Energy Park	Development		\$ 1,000,000.00		\$ 1,000,000.00
Pickup Truck	Streets	\$ 25,000.00			\$ 25,000.00

**OVERALL 2009 TOTAL**      \$ 628,000.00      \$ 1,193,280.00      \$ 25,000.00      \$ 1,846,280.00



**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**DEBT SERVICE FUND**

REVENUE	2006		2007		2008		2009	
	ACTUAL	BUDGET	ACTUAL	BUDGET	YTD	BUDGET	YTD	BUDGET
Interest Earnings	\$ 20,644.00	\$ 5,000.00	\$ 27,952.00	\$ 5,000.00	\$ 14,603.00	\$ 5,000.00	\$ 14,603.00	\$ 10,000.00
Special Assessments	\$ 62,032.00	\$ 15,000.00	\$ 55,363.00	\$ 15,000.00	\$ 3,657.00	\$ 15,000.00	\$ 3,657.00	\$ 60,000.00
Electric Fund	\$ 8,450.00	\$ 9,827.00	\$ 8,847.00	\$ 9,827.00	\$ 9,827.00	\$ 9,827.00	\$ 9,827.00	\$ 8,613.00
Water Fund	\$ 18,580.00	\$ 21,669.00	\$ 19,509.00	\$ 21,669.00	\$ 21,669.00	\$ 21,669.00	\$ 21,669.00	\$ 18,939.00
TIF Fund	\$ 120,651.00	\$ -	\$ 143,728.00	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	\$ 235,000.00	\$ 311,000.00	\$ 229,267.00	\$ 311,000.00	\$ 250,221.00	\$ 311,000.00	\$ 250,221.00	\$ 375,000.00
<b>TOTAL REVENUE</b>	\$ 465,357.00	\$ 362,496.00	\$ 484,666.00	\$ 362,496.00	\$ 299,977.00	\$ 362,496.00	\$ 299,977.00	\$ 472,552.00
<b>EXPENSES</b>								
Principle - Community Center	\$ 40,000.00	\$ -	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Interest - Community Center	\$ 42,385.00	\$ -	\$ 20,718.00	\$ -	\$ -	\$ -	\$ -	\$ -
Principle - Street Improvement	\$ 70,000.00	\$ 80,000.00	\$ 75,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 95,000.00
Interest - Street Improvement	\$ 55,775.00	\$ 50,018.00	\$ 51,986.00	\$ 50,018.00	\$ 39,581.00	\$ 50,018.00	\$ 39,581.00	\$ 29,400.00
Principle - Water Revenue	\$ 30,000.00	\$ 35,000.00	\$ 30,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
Interest - Water Revenue	\$ 37,328.00	\$ 35,063.00	\$ 36,194.00	\$ 35,063.00	\$ 35,063.00	\$ 35,063.00	\$ 35,063.00	\$ 33,628.00
Principle - TIF Bonds	\$ 115,000.00	\$ -	\$ 140,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Interest - TIF Bonds	\$ 7,983.00	\$ -	\$ 2,865.00	\$ -	\$ -	\$ -	\$ -	\$ -
Principle - USDA Loan	\$ -	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
Interest - USDA Loan	\$ -	\$ 12,169.00	\$ 12,375.00	\$ 12,169.00	\$ 12,169.00	\$ 12,169.00	\$ 12,169.00	\$ 11,963.00
Principle - 2005 Xover	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
Interest - 2005 Xover	\$ -	\$ 29,145.00	\$ 14,573.00	\$ 29,145.00	\$ 28,598.00	\$ 29,145.00	\$ 28,598.00	\$ 27,795.00
Principle - Improvement Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000.00
Interest - Improvement Bonds	\$ -	\$ 55,743.00	\$ -	\$ 55,743.00	\$ 55,743.00	\$ 55,743.00	\$ 55,743.00	\$ 124,510.00
Agent Fees	\$ 863.00	\$ 1,000.00	\$ 863.00	\$ 1,000.00	\$ 806.00	\$ 1,000.00	\$ 806.00	\$ 1,000.00
<b>TOTAL EXPENSES</b>	\$ 399,334.00	\$ 353,138.00	\$ 429,574.00	\$ 353,138.00	\$ 341,960.00	\$ 353,138.00	\$ 341,960.00	\$ 478,296.00

**2009 BUDGET**  
**CITY OF MOUNTAIN IRON**  
**CHARITABLE GAMBLING**

REVENUE	2006 ACTUAL	2007 ACTUAL	2008 BUDGET	2008 YTD	2009 BUDGET
Interest Earnings	\$ 218.00	\$ 151.00	\$ 200.00	\$ 124.00	\$ 200.00
Gambling Proceeds	\$ 2,761.00	\$ 1,226.00	\$ 2,500.00	\$ 1,362.00	\$ 2,500.00
<b>TOTAL REVENUE</b>	<b>\$ 2,979.00</b>	<b>\$ 1,377.00</b>	<b>\$ 2,700.00</b>	<b>\$ 1,486.00</b>	<b>\$ 2,700.00</b>
<b>EXPENSES</b>					
Allowable Expenditures	\$ 2,935.00	\$ 3,033.00	\$ 2,700.00	\$ 3,552.00	\$ 2,700.00
Administration	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL EXPENSES</b>	<b>\$ 2,935.00</b>	<b>\$ 3,033.00</b>	<b>\$ 2,700.00</b>	<b>\$ 3,552.00</b>	<b>\$ 2,700.00</b>

**CITY OF MOUNTAIN IRON  
2009 BUDGET  
ELECTRIC DEPARTMENT**

REVENUES	2006 ACTUAL	2007 ACTUAL	2008 BUDGET	2008 YTD	2009 BUDGET	%
Interest Earnings	\$ 12,421.00	\$ 15,668.00	\$ 11,000.00	\$ 4,753.00	\$ 10,000.00	-9%
Revenue Transfer	\$ -	\$ -	\$ -	\$ -	\$ 160,000.00	0%
Charges for Services	\$ 1,352,205.00	\$ 1,756,326.00	\$ 1,525,000.00	\$ 1,121,054.00	\$ 1,668,827.00	9%
<b>TOTAL REVENUES</b>	<b>\$ 1,364,626.00</b>	<b>\$ 1,771,994.00</b>	<b>\$ 1,536,000.00</b>	<b>\$ 1,125,807.00</b>	<b>\$ 1,838,827.00</b>	<b>20%</b>

**EXPENDITURES**

Cost of Sales	\$ 915,715.00	\$ 1,108,965.00	\$ 990,000.00	\$ 758,513.00	\$ 1,086,310.00	10%
Salaries	\$ 219,006.00	\$ 234,584.00	\$ 226,000.00	\$ 188,872.00	\$ 240,838.00	7%
Employee Benefits	\$ 87,508.00	\$ 96,036.00	\$ 95,000.00	\$ 89,879.00	\$ 113,850.00	20%
Insurance	\$ 7,260.00	\$ 14,728.00	\$ 20,000.00	\$ 18,993.00	\$ 25,324.00	27%
Miscellaneous	\$ 39,601.00	\$ 22,943.00	\$ 25,500.00	\$ 21,483.00	\$ 28,644.00	12%
Repairs and Maintenance	\$ 75,881.00	\$ 91,943.00	\$ 60,000.00	\$ 45,971.00	\$ 61,290.00	2%
Supplies	\$ 46,955.00	\$ 21,196.00	\$ 35,000.00	\$ 28,868.00	\$ 38,491.00	10%
Telephone	\$ 2,998.00	\$ 3,027.00	\$ 3,000.00	\$ 2,132.00	\$ 2,843.00	-5%
Depreciation Expense	\$ 40,000.00	\$ 18,702.00	\$ 43,000.00	\$ 32,250.00	\$ 43,000.00	0%
Interest Expense	\$ 983.00	\$ 1,477.00	\$ 1,200.00	\$ 884.00	\$ 1,200.00	0%
Debt Service	\$ 8,450.00	\$ 32,363.00	\$ 9,827.00	\$ 7,370.00	\$ 9,827.00	0%
CIP	\$ -	\$ -	\$ 4,500.00	\$ 2,605.00	\$ 25,766.00	473%
Capital Outlay	\$ 4,384.00	\$ -	\$ -	\$ 98,005.00	\$ 160,000.00	0%
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,448,741.00</b>	<b>\$ 1,645,964.00</b>	<b>\$ 1,513,027.00</b>	<b>\$ 1,295,825.00</b>	<b>\$ 1,837,383.00</b>	<b>21%</b>

**CAPITAL OUTLAY**

ASV	\$	60,000.00
SUBSTATION UPGRADES	\$	75,000.00
PICKUP TRUCK REPLACEMENT	\$	25,000.00

**CITY OF MOUNTAIN IRON  
2009 BUDGET  
REFUSE AND RECYCLING DEPARTMENT**

REVENUES	2006		2007		2008		2009		%
	ACTUAL		ACTUAL		BUDGET		BUDGET		
Interest Earnings	\$ 10,399.00	\$ 16,321.00	\$ 11,000.00	\$ 5,491.00	\$ 7,000.00		\$ 7,000.00		-36%
Transfers In	\$ -	\$ -	\$ -	\$ -	\$ 130,000.00		\$ 130,000.00		0%
Charges for Services	\$ 340,833.00	\$ 373,943.00	\$ 350,000.00	\$ 265,462.00	\$ 371,000.00		\$ 371,000.00		6%
<b>TOTAL REVENUES</b>	<b>\$ 351,232.00</b>	<b>\$ 390,264.00</b>	<b>\$ 361,000.00</b>	<b>\$ 270,953.00</b>	<b>\$ 508,000.00</b>		<b>\$ 508,000.00</b>		<b>41%</b>

**EXPENDITURES**

Salaries	\$ 90,755.00	\$ 94,052.00	\$ 92,000.00	\$ 69,734.00	\$ 82,000.00		\$ 82,000.00		-11%
Employee Benefits	\$ 45,398.00	\$ 43,216.00	\$ 55,000.00	\$ 31,245.00	\$ 41,500.00		\$ 41,500.00		-25%
Insurance	\$ 1,629.00	\$ 8,156.00	\$ 10,000.00	\$ 9,556.00	\$ 13,000.00		\$ 13,000.00		30%
Miscellaneous	\$ 13,278.00	\$ 13,324.00	\$ 13,000.00	\$ 10,315.00	\$ 13,500.00		\$ 13,500.00		4%
Repairs and Maintenance	\$ 6,158.00	\$ 24,148.00	\$ 10,000.00	\$ 3,677.00	\$ 4,900.00		\$ 4,900.00		-51%
County Fees	\$ 129,665.00	\$ 130,122.00	\$ 135,000.00	\$ 93,972.00	\$ 136,000.00		\$ 136,000.00		1%
Supplies	\$ 22,690.00	\$ 24,394.00	\$ 20,000.00	\$ 27,978.00	\$ 35,000.00		\$ 35,000.00		75%
Depreciation	\$ 20,500.00	\$ 35,871.00	\$ 23,000.00	\$ 17,250.00	\$ 23,000.00		\$ 23,000.00		0%
Telephone	\$ 977.00	\$ 1,091.00	\$ 1,000.00	\$ 691.00	\$ 1,000.00		\$ 1,000.00		0%
Capital Outlay	\$ 81,665.00	\$ -	\$ -	\$ -	\$ 130,000.00		\$ 130,000.00		0%
<b>TOTAL EXPENDITURES</b>	<b>\$ 412,715.00</b>	<b>\$ 374,374.00</b>	<b>\$ 359,000.00</b>	<b>\$ 264,418.00</b>	<b>\$ 479,900.00</b>		<b>\$ 479,900.00</b>		<b>34%</b>

**CITY OF MOUNTAIN IRON  
2009 BUDGET  
WATER DEPARTMENT**

REVENUES	2006	2007	2008	2009	%
	ACTUAL	ACTUAL	BUDGET	BUDGET	
Interest Earnings	\$ 7,726.00	\$ 5,640.00	\$ 6,000.00	\$ 5,139.00	-17%
Other	\$ 67,328.00	\$ 46,727.00	\$ 87,379.00	\$ 73,279.00	0%
Charges for Services	\$ 228,882.00	\$ 251,548.00	\$ 250,000.00	\$ 169,220.00	6%
<b>TOTAL REVENUES</b>	<b>\$ 303,936.00</b>	<b>\$ 303,915.00</b>	<b>\$ 343,379.00</b>	<b>\$ 247,638.00</b>	<b>4%</b>

**EXPENDITURES**

Salaries	\$ 75,499.00	\$ 76,211.00	\$ 72,000.00	\$ 54,421.00	\$ 72,500.00	1%
Employee Benefits	\$ 28,696.00	\$ 27,556.00	\$ 28,000.00	\$ 21,001.00	\$ 28,000.00	0%
Insurance	\$ 3,615.00	\$ 6,872.00	\$ 8,000.00	\$ 7,318.00	\$ 10,000.00	25%
Miscellaneous	\$ 8,740.00	\$ 8,557.00	\$ 10,000.00	\$ 13,018.00	\$ 17,000.00	70%
Repairs and Maintenance	\$ 45,633.00	\$ 28,990.00	\$ 25,000.00	\$ 14,720.00	\$ 19,500.00	-22%
Supplies	\$ 9,076.00	\$ 8,369.00	\$ 6,200.00	\$ 6,542.00	\$ 8,800.00	42%
Telephone	\$ 236.00	\$ 321.00	\$ 350.00	\$ 287.00	\$ 350.00	0%
Utilities	\$ 28,328.00	\$ 29,187.00	\$ 28,000.00	\$ 15,198.00	\$ 28,000.00	0%
Depreciation	\$ 73,000.00	\$ 79,503.00	\$ 77,000.00	\$ 57,750.00	\$ 77,000.00	0%
Debt Service	\$ 85,908.00	\$ 36,194.00	\$ 101,559.00	\$ 41,528.00	\$ 95,590.00	-6%
Capital Outlay	\$ 1,856.00	\$ -	\$ -	\$ -	\$ -	0%
<b>TOTAL EXPENDITURES</b>	<b>\$ 360,587.00</b>	<b>\$ 301,760.00</b>	<b>\$ 356,109.00</b>	<b>\$ 231,783.00</b>	<b>\$ 356,740.00</b>	<b>0%</b>

**CITY OF MOUNTAIN IRON  
2009 BUDGET  
WASTE WATER DEPARTMENT**

REVENUES	2006	2007	2008	2008	2008
	ACTUAL	ACTUAL	BUDGET	YTD	BUDGET
Interest Earnings	\$ 3,886.00	\$ 8,368.00	\$ 5,000.00	\$ 4,097.00	\$ 5,000.00
Other	\$ -	\$ -	\$ -	\$ -	\$ -
Charges for Services	\$ 284,469.00	\$ 342,082.00	\$ 305,000.00	\$ 225,451.00	\$ 350,000.00
<b>TOTAL REVENUES</b>	<b>\$ 288,355.00</b>	<b>\$ 350,450.00</b>	<b>\$ 310,000.00</b>	<b>\$ 229,548.00</b>	<b>\$ 355,000.00</b>

**EXPENDITURES**

Salaries	\$ 61,854.00	\$ 63,365.00	\$ 70,000.00	\$ 54,270.00	\$ 72,000.00
Employee Benefits	\$ 19,678.00	\$ 22,068.00	\$ 24,000.00	\$ 20,445.00	\$ 27,000.00
Contract Services	\$ 24,338.00	\$ 34,188.00	\$ 27,405.00	\$ 21,970.00	\$ 27,000.00
Insurance	\$ 5,909.00	\$ 4,315.00	\$ 6,500.00	\$ 4,771.00	\$ 6,300.00
Miscellaneous	\$ 14,240.00	\$ 17,867.00	\$ 16,000.00	\$ 14,482.00	\$ 16,000.00
Maintenance and Repairs	\$ 42,425.00	\$ 13,586.00	\$ 10,000.00	\$ 20,909.00	\$ 15,000.00
Supplies	\$ 14,804.00	\$ 15,747.00	\$ 15,000.00	\$ 7,270.00	\$ 9,800.00
Telephone	\$ 2,654.00	\$ 2,650.00	\$ 2,600.00	\$ 2,367.00	\$ 3,200.00
Utilities	\$ 66,286.00	\$ 74,072.00	\$ 65,000.00	\$ 46,165.00	\$ 61,500.00
Depreciation	\$ 113,000.00	\$ 106,670.00	\$ 118,000.00	\$ 88,500.00	\$ 118,000.00
Capital Outlay	\$ -	\$ -	\$ -	\$ 6,017.00	\$ -
<b>TOTAL EXPENDITURES</b>	<b>\$ 365,188.00</b>	<b>\$ 354,528.00</b>	<b>\$ 354,505.00</b>	<b>\$ 287,166.00</b>	<b>\$ 355,800.00</b>



# CITY OF MOUNTAIN IRON

"TACONITE CAPITAL OF THE WORLD"

PHONE: 218-748-7570 • FAX: 218-748-7573 • www.mtniron.com  
8586 ENTERPRISE DRIVE SOUTH • MOUNTAIN IRON, MN • 55768-8260

## RESOLUTION NUMBER 61-08

### APPROVING 2008 TAX LEVY, COLLECTABLE 2009

**BE IT RESOLVED**, by the City Council of the City of Mountain Iron, County of Saint Louis, Minnesota, that the following sums of money be levied for the current year, collectable in 2009, upon the taxable property in the City of Mountain Iron for the following purposes:

TOTAL PROPOSED LEVY	\$1,030,238.00
MINUS SPECIAL LEVIES	\$289,092.00
LEVY SUBJECT TO LEVY LIMIT	\$741,146.00

The City Administrator is hereby instructed to transmit a certified copy of this Resolution to the County Auditor of Saint Louis County, Minnesota.

**DULY ADOPTED BY THE CITY COUNCIL THIS 15<sup>th</sup> DAY OF DECEMBER, 2008.**

\_\_\_\_\_  
Mayor Gary Skalko

ATTEST:

\_\_\_\_\_  
City Administrator



# CITY OF MOUNTAIN IRON

"TACONITE CAPITAL OF THE WORLD"

PHONE: 218-748-7570 ▪ FAX: 218-748-7573 ▪ www.mtniron.com  
8586 ENTERPRISE DRIVE SOUTH ▪ MOUNTAIN IRON, MN ▪ 55768-8260

## RESOLUTION NUMBER 62-08

### APPROVING 2009 MARKET RATE BASED REFERENDUM LEVY FOR THE GENERAL OBLIGATION COMMUNITY CENTER BONDS AND INTEREST

**WHEREAS**, in February 1998 the voters in the City of Mountain Iron approved a market rate based referendum levy for bonds and interest to construct the Mountain Iron Community Center.

**NOW, THEREFOR BE IT RESOLVED**, by the City Council of the City of Mountain Iron, County of Saint Louis, Minnesota, that the following market rate based levy shall be made in 2008 payable in 2009 for all property in the City of Mountain Iron:

General Obligation Community Center Bond levy shall be \$81,685.00

The City Administrator is hereby instructed to transmit a certified copy of this resolution to the County Auditor of Saint Louis County, Minnesota.

**DULY ADOPTED BY THE CITY COUNCIL THIS 15<sup>th</sup> DAY OF DECEMBER, 2008.**

ATTEST:

\_\_\_\_\_  
Mayor Gary Skalko

\_\_\_\_\_  
City Administrator





# CITY OF MOUNTAIN IRON

"TACONITE CAPITAL OF THE WORLD"

PHONE: 218-748-7570 ▪ FAX: 218-748-7573 ▪ [www.mtniron.com](http://www.mtniron.com)  
8586 ENTERPRISE DRIVE SOUTH ▪ MOUNTAIN IRON, MN ▪ 55768-8260

## RESOLUTION NUMBER 63-08

### CONCERNING THE 2009 ECONOMIC DEVELOPMENT AUTHORITY TAX LEVY

**WHEREAS**, the Mountain Iron Economic Development Authority was created on the 19th day of April, 2004, pursuant to Minnesota Statutes 469.090-469.108 and;

**WHEREAS**, Minnesota Statutes, Section 469.107, Subdivision 1, specifically authorized the Mountain Iron Economic Development Authority to levy against the taxable property of the City of Mountain Iron, St. Louis County, Minnesota.

**NOW, THEREFORE BE IT RESOLVED** by the City Council of Mountain Iron, Minnesota, that for the purpose of further development and to provide for any activities that are within the jurisdiction of the Mountain Iron Economic Development Authority as defined according to Minnesota Statutes. The Mountain Iron City Council submits to the County Auditor of St. Louis County, Minnesota, a final tax levy with a levy set to the maximum allowable for the Mountain Iron Economic Development Authority.

**DULY ADOPTED BY THE CITY COUNCIL THIS 15<sup>th</sup> DAY OF DECEMBER, 2008.**

---

Mayor Gary Skalko

ATTEST:

---

City Administrator



# CITY OF MOUNTAIN IRON

"TACONITE CAPITAL OF THE WORLD"

PHONE: 218-748-7570 ▪ FAX: 218-748-7573 ▪ www.mtniron.com  
8586 ENTERPRISE DRIVE SOUTH ▪ MOUNTAIN IRON, MN ▪ 55768-8260

## RESOLUTION NUMBER 64-08

### CONCERNING THE 2009 HOUSING AND REDEVELOPMENT AUTHORITY TAX LEVY

**WHEREAS**, the Mountain Iron Housing and Redevelopment Authority was created on the 4<sup>th</sup> day of December, 1968, pursuant to Minnesota Statutes 469.001-469.047 and;

**WHEREAS**, Minnesota Statutes, Section 469.033, Subd. 6, specifically authorized the Mountain Iron Housing and Redevelopment Authority to levy against the taxable property of the City of Mountain Iron, St. Louis County, Minnesota.

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of Mountain Iron, Minnesota, requests that for the purpose of further development and to provide for any activities that are within the jurisdiction of the Mountain Iron Housing and Redevelopment as defined according to Minnesota Statutes, the Mountain Iron City Council submits to the County Auditor of St. Louis County, Minnesota, a tax levy of zero dollars for the Mountain Iron Housing and Redevelopment Authority.

**DULY ADOPTED BY THE CITY COUNCIL THIS 15<sup>th</sup> DAY OF DECEMBER, 2008.**

---

Mayor Gary Skalko

ATTEST:

---

City Administrator

## **Mountain Iron Fire Department**

### **Information for Contractors**

Sealed proposals are desired from reputable manufacturers of automotive fire apparatus in accordance with these specifications and with the advertisement, a copy of which is attached, for the piece of apparatus as follows:

Quick Attack Wildland Fire Apparatus, 300 gallon capacity booster tank, compartmented hosebody, non-rated pump system, and all other appurtenances in accordance with the following:

**GENERAL REQUIREMENTS:** Each bid must be accompanied by bidders accurate written and detailed specifications covering the apparatus and equipment which it is proposing to furnish and to which the apparatus furnished under the Contract must conform. It is the intent of these specifications to cover the furnishing and delivering to the purchaser, complete apparatus equipped as specified. Minor details of construction and materials where not otherwise specified are left to the discretion of the Contractor who shall be solely responsible for the design and construction of all features. Such details and other construction not specifically covered herein or not at variance with these specifications should conform with the intent of the specifications as outlined in Booklet No. 1901 dated 2003.

The apparatus being furnished under these specifications shall conform to the requirements specific to Initial Attack fire apparatus NFPA Booklet 1901 version 2003. Any test equipment required or expense incurred for the Certification Tests shall be borne by the Contractor supplying this equipment.

**RELIABILITY OF CONTRACTOR:** Contractor shall furnish satisfactory evidence that he has the ability to design, engineer, and construct the apparatus specified and shall state the location of the factory where the apparatus is to be manufactured and tested. The apparatus design shall be an "original" generated by the Contractor/Bidder and not reproductions of fire apparatus designs previously engineered by other Contractors/Manufacturers.

**DESIGN:** The design of the equipment shall be in accordance with the best engineering practices. The equipment design and accessory installation shall permit accessibility for use, maintenance, and service. All components and assemblies shall be free of hazardous protrusions, sharp edges, cracks or other elements which might cause injury to personnel or equipment. **NOTE:** Where "nibbled" or non-continuous cutting methods are used to machine the body material, all edges shall be reworked/machine smoothed for injury prevention and appearance reasons.

All tubing lines and electrical wiring shall be located in protective positions, properly attached to the frame or body structure and shall have protective loom or grommets at each point where they pass through structural members.

Parts and components shall be located or positioned for rapid and simple inspection and recognition of excessive wear or potential failure. Whenever functional layout of operating components determines that physical or visual interference between items cannot be avoided, the item predicted to require the most maintenance shall be located for the best accessibility.

Cover plates which must be removed for component adjustment or part removal will be equipped with disconnect fastenings or hinged panels.

Drains, filler plugs, grease fittings, bleeders and check points for all components will be located so that they are readily accessible and do not require special tools for proper servicing. Design practices shall minimize the number of tools required for maintenance.

All components shall be designed and protected so that heavy rain or other adverse weather conditions

will not interfere with normal servicing or operation.

All specified stainless steel shall be type 304, 2-B on exterior painted panels and #4-brushed where specified for pump panel overlays and unpainted compartment panels. All specified painted or swirl finish sheet aluminum to be 5052-H32. All specified 4-way aluminum treadplate shall be "polished" treadbrite or equal type 3003 of specified thickness. All specified bolted fasteners shall be coated stainless steel "low profile" button socket head cap screws. All nut fasteners to be Ny-Lok or approved equal, designed to prevent loosening. Substitution of lighter gauge stainless steel, galvanneal, or aluminum materials will not be acceptable. No substitute will be acceptable to stainless steel where specified.

**NOTE:** Lighter gauges of specified materials will not be acceptable.

The materials specified are considered absolute minimum. Exceptions to these material requirements will not be permitted since all raw materials of the specified type are available to all manufacturers. Since all custom manufacturers have the ability to shear, brake, and weld as these specifications require - all basic requirements must be complied with.

Each Bidder shall be prepared, if so requested by the Purchaser, to present evidence of his design experience/capabilities and manufacturing ability to carry out the terms of the contract. The Purchaser does not, in any way, obligate itself to accept the lowest or any Bid.

#### **CONSTRUCTION METHODS AND DISASSEMBLY CRITERION - NO EXCEPTIONS**

Since all reputable manufacturers of Fire Fighting Apparatus have the means and ability to design and provide an apparatus body construction (assembly) method, which allows for the convenient "disassembly" of the apparatus body fabrications, it is the Fire Department's desire to ONLY receive proposals incorporating such construction methods.

Apparatus body components that are highly susceptible to operational damage, and must be easily removable, include, but shall not be limited to: Front Body Corners, Outboard Wheel Well Panels, Rear Body Corners, Compartment Floors, Body Rub Rails, and Compartment Door Jambs. Disassembly of previous stated components shall be accomplished with simple hand tools not requiring the use of heat (torches and heat guns), reciprocating saw blades (cutting tools), or material removal tools (drills). Welded or bonded body proposals must demonstrate disassembly procedures that do not require the above equipment and techniques.

Due to the requirement for an apparatus body that can be easily disassembled, for repairs and/or modifications, apparatus body designs and construction methods that employ permanently assembled modules, will not be considered.

#### **GENERAL WARRANTY**

The new fire Initial Attack apparatus manufactured per these specifications shall be warranted for a period of ONE (1) year from the date of delivery, except for chassis and other components noted herein.

Under this warranty, Bidder agrees to furnish any parts to replace those that have failed due to defective material or workmanship where there is no indication of abuse, neglect, unusual or other than normal service providing that such parts are, at the option of the Bidder, made available for inspection upon request, returned to Bidder's factory or other location designated by Bidder with transportation prepaid within 30 days after the date of failure or within ONE (1) year from the date of delivery of the apparatus to the original purchaser, whichever occurs first, and inspection indicates the failure was attributed to defective material or workmanship. Accessories/components warranted by their original manufacturer may be subject to reinstallation charges under the terms of their respective warranties, especially if such warranties exceed the above 1-year warranty terms.

The warranty on the chassis and chassis supplied components, storage batteries, generators, electrical lamps and other devices subject to deterioration is limited to the warranty of the manufacturer thereof and adjustments for the same are to be made directly with the chassis manufacturer by the Purchaser.

This warranty will not apply to any fire apparatus which has been repaired or altered outside the Manufacturer factory or designated facility in any way, which, in the manufacturer's opinion might affect its stability or reliability. Each warranty claim needing repair or service at the designated facility must receive preauthorization by Manufacturer prior to performance of any work.

This warranty will not apply to those items which are usually considered to be normal maintenance and upkeep services: including, but not limited to, normal lubrication or proper adjustment or minor auxiliary pumps or reels.

Refer to the "FIRE PUMP" section and "BOOSTER TANK" section for specific extended Manufacturer's warranties on the provided Fire Pump and Water (Foam) Tank(s).

This warranty is in lieu of all other warranties, expressed or implied, all other representations to the original purchaser, and all other obligations or liabilities, including liabilities for incidental or consequential damage on Bidder's part. Without limiting the foregoing, any express or implied warranties of merchantability or fitness for a particular purpose or warranties arising by Customer usage or by operation of law with regard to any products delivered pursuant hereto are expressly disclaimed. Bidder neither assumes nor authorizes any person to assume for Bidder, any liability in connection with the sales of Bidder's apparatus unless made in writing by the Bidder.

#### **APPARATUS SIZE - CAPACITY - SEATING**

Total overall length of apparatus shall not exceed 23 ft. 10 in., highest point of apparatus shall not exceed 94 inches, total overall width of apparatus shall not exceed 96 inches, chassis wheelbase shall not exceed 176 inches, and GVWR shall be at least 19,500 lbs.

**RESPONSIBILITY OF PURCHASER:** It shall be the responsibility of the purchaser to specify the details of the apparatus, its required performance, the maximum number of fire fighters to ride on the apparatus, and any hose ground ladders, or equipment it will be required to carry which exceed the minimum requirements of this standard.

A total of four (NONE with SCBA's) seating positions to be provided, "Fully Enclosed", with approved seat belts. Two seating positions to be located inside forward chassis cab and two inside rear crew area.

The GAWR, and GCWR or GVWR of the chassis shall be adequate to carry the fully equipped apparatus including full water and other tanks, the specified hose load, unequipped personnel weight (The unequipped personnel weight shall be calculated at 200 lb. per person times the maximum number of persons to ride the apparatus as specified.), ground ladders, and a miscellaneous equipment allowance of 1500 lbs.

#### **INSURANCE REQUIREMENTS**

Each Bidder must submit with their bid proposal a Certificate of Insurance listing the proposed manufacturer's product liability insurance coverage. Liability insurance shall be a minimum amount of five million dollars with coverage attained with a minimum of \$1,000,000.00 underlying insurance and \$4,000,000.00 umbrella coverage. Submitted Certificate shall name the apparatus manufacturer, insurance company, policy number, and effective dates of the insurance policy. Bids submitted without the required Certificate, or for Certificates listing less than one (1) million dollars of underlying coverage, plus the four (4) million dollar umbrella coverage, will be considered non responsive and automatically rejected. No exceptions are allowed to the minimum insurance coverage requirement.

The manufacturer shall maintain full coverage on the purchaser's cab and chassis from time of first possession by the manufacturer until the apparatus is delivered and accepted by the purchaser. No exceptions. Purchaser reserves the right to require proof of insurance from the manufacturer's insurance carrier prior to entering into a contract for the apparatus.

#### **PROPOSAL PRINT/DRAWING**

Each Bid shall be submitted with a complete detailed print of the apparatus as is specified. The print shall be to scale, minimum of 1 inch = 20 inches, of the exact apparatus being proposed, and not a stock print of a similar unit. All dimensions are subject to a +/- 1/4 inch tolerance. The print shall have complete views of the driver side with chassis cab, passenger side with chassis cab, and the rear of body. The print shall include all of the following depicted items:

**CHASSIS:** exact replication of model of furnished chassis cab and steps, with vendor furnished: grille guard and winch, 120-volt shore power receptacle, emergency lighting fixtures, and horizontal exhaust system outlet.

**APPARATUS BODY:** the apparatus body subframe, tow eyes, water tank profile with baffles and suction sump, all exterior 4-way treadplate pattern areas, body access steps, hand rails, interior compartment shelving, emergency and non-emergency lighting fixtures, roll-up door slats/bundles/bar type handle/latches, and cargo area arrangement, and hose reel installation.

**FIRE PUMP & PUMP SYSTEM:** fire pump controls and instrument panel layout, discharge outlets with closures, suction inlets with closures, and other specified accessories and features.

**ADDITIONAL OPTIONAL FEATURES:** other optional features, if specified, shall also be included on the proposal drawing, this includes; front bumper extension with attached accessories, interior compartment shelves and roll-out trays, rewind reels, permanent mounted quartz lighting, 120-volt exterior body receptacles, and other detailed accessories and features so as to provide a "picture" of the proposed apparatus.

**COMPLIANCE:** this required drawing shall become a part of the Proposal. As with the specified Bidder's Bond, failure to submit the above required drawing, with the sealed bid proposal, will cause immediate rejection of the bidder's proposal.

**Quality and accuracy of Bidder's Proposal Drawing will be a major consideration, for determining of most acceptable proposal.**

**PHOTO DOCUMENTATION:** Bidder shall refer to the following specifications and include any asked for photos, or drawings of required feature enhancements, documenting they have provided these features in the past and are prepared to provide them as required for this Bid Proposal.

#### **ACCEPTANCE TESTS AND REQUIREMENTS**

Acceptance tests on behalf of the purchaser shall be prescribed and conducted prior to delivery or within 10 days after delivery, by the manufacturer's representative in the presence of such person or persons as the purchaser may designate in the requirements for delivery.

**ALTITUDE REQUIREMENTS:** The apparatus shall be designed to meet the specified rating at 2000 feet altitude above sea level.

**ROADABILITY:** The apparatus, when fully equipped and loaded per "Carrying Capacity", shall be capable of the following performance on dry/level/paved roads in good condition: From a standing start the vehicle shall attain a true speed of 35 MPH within 25 seconds. The vehicle shall attain a minimum top speed of 50 MPH. The apparatus shall be able to maintain a speed of at least 20 MPH on any grade up to and including 6%.

**ROAD TESTS:** Specified acceleration tests shall consist of two runs in opposite directions over the same route. From a standing start, through the gears, the vehicle shall attain a true speed of 35 mph within 25 seconds in the case of pumbers, and a true speed of 55 mph within 60 seconds.

The service brakes shall bring the fully laden apparatus to a complete stop from an initial speed of 20 MPH in a distance not exceeding 35 ft., on a substantially hard level surface road free from loose material, oil, or grease.

A pump test shall be conducted by the apparatus manufacturer. A Certificate of Testing shall be furnished to the Purchaser.

Responsibility for the apparatus and equipment shall remain with the contractor until acceptance by the purchaser.

The Manufacturer must supply at the time of delivery, at least two copies of:

1. Pump Manufacturer's Certification of Pump Test Results.
2. Weight documents from four (4) individual certified scales showing actual loading on the sides of front axle, sides of rear axle(s), and overall (four total) vehicle (with the water tank full but without personnel, equipment, and hose) shall be supplied with the completed vehicle to determine compliance with NFPA section 10-1. Weights shall be for each tire or dual set of tires, so as to verify side-to-side loading, to be in compliance with NFPA section 4.12.2.3.3
3. At least two copies of the complete operation and maintenance manual covering the completed apparatus as delivered including the pump, emergency lighting and siren, generator, or other furnished accessories.
4. Wiring diagrams of 12-volt electrical systems, installed by apparatus body manufacturer (prime contractor). Diagrams must be "vehicle specific", describing all 12-volt electrical functions as furnished on this **and only this** apparatus.
5. A finalized drawing of apparatus as completed.
6. A "Delivery Manual", consisting of a 3-ring notebook type binder with reference tabs for each section, shall be furnished to include the following items: invoice copy(ies), Manufacturer's Statement of Origin, acceptance forms, certifications, specifications, individual component manufacturer instructions and parts manuals, warranty forms for body, warranty forms for all major components, warranty instructions and format to be used for compliance with warranty obligations, routine service forms/publications, technical publications or training guide for major components, and apparatus body print "as built".
7. Paint numbers of all color coatings.
8. Certifications of water tank capacity.

NOTE: Exceptions to the above requirements will not be acceptable.

The contractor shall affix a permanent plate in the driver's compartment specifying the quantity and type of fluids used in the vehicle:

All nameplates and instruction plates shall be metal or plastic with the information permanently engraved, stamped, or etched thereon. Metal nameplates to be installed with plated screws. All nameplates to be mounted in a conspicuous place.

**FACTORY DELIVERY:**

The maximum period for construction of the vehicle shall not exceed 150 working days and shall include the time required for delivery of the chassis to the apparatus manufacturer. The contractor will not be held liable for delay of delivery caused by accidents, strikes, floods, or other events not subject to their control. Bidder shall specify on the required Bid Proposal Form the number of working days for completed delivery of the apparatus, from date of bid acceptance.

The completed unit shall be delivered to the purchaser at the Factory of the Manufacturer with full

instructions provided to Fire Department personnel present on operation, care, and maintenance of apparatus.

**DELIVERY ENGINEER:** Delivery training shall be performed by a factory Delivery Engineer only employed by the Bidder. Delivery Engineer shall remain with the acceptance committee for a reasonable time for training and making normal adjustments.

Delivery shall be considered to include, but not be limited to: conducting day or evening classes for instruction of Fire Department personnel and Drivers for operation.

The Delivery Engineer shall be factory trained, fully capable of conducting informative classes on the complete operation of the vehicle. This means familiarity with engine, running gear, transmission, driving skill, as well as handling of pump equipment and all controls.

The Delivery Engineer shall set delivery and instruction schedule with the person appointed by Purchaser, recognizing the need for either daytime or evening classes. Advance notice of at least one (1) week will be given, advising the specific day on which the new apparatus will be ready.

### **COMMERCIAL STYLE CHASSIS**

The following specified commercial chassis shall be furnished, by the apparatus body builder, and included in the total Bid Proposal Package.

### **2008 or 2009 CAB AND CHASSIS TO BE FURNISHED:**

#### **TYPE/MODEL:**

Chassis shall be new, unused with warranty start on completed delivery.

Model to be a 4x4, 4-Door Crew Cab & Chassis

Wheelbase to be 176 inches, with 60 inch cab-to-axle.

#### **COLOR AND TRIM LEVEL:**

Cab exterior and interior (where metal is exposed) color to be Red, "clear-coated"

Ambulance Prep Package

Premium Radio: AM/FM

Tilt Steering Wheel

Power Mirrors

Air Conditioning and Heater/Defroster

Jewel Headlamps

4-wheel ABS

Rear Suspension Stabilizer

Driver Side & Passenger Side Air Bags



## **ENGINE, TRANSMISSION, TIRES AND AXLES:**

Diesel Engine

Heavy-duty electronic automatic transmission.

Steering column shift control to be provided for transmission with overdrive "lockout" switch.

2-speed part-time HI/LOW transfer case, with floor shift control.

Manual Locking Front Axle Hubs

Transmission PTO Provisions.

LT-225/70R , "F" 19.5" Max Traction, Tubeless Tires or equivalent

**OPTIONAL:** Tire and wheel package: Above wheels "Super Single" wheel/tire package with equivalent traction and load carrying capacity.

4.88 Ratio Limited Slip Differential

## **CHASSIS EQUIPMENT AND FEATURES:**

19,500-lb Gross Vehicle Weight Rating minimum.

Engine Block Heater

50-State Emission Compliance

Two (2) 130-amp 12-volt Alternators

Minimum 19-gallon aft axle fuel tank.

Two (2) front tow hooks.

## **ADDITIONAL CAB FEATURES:**

Dual Front Bucket Seats, lap and shoulder style safety belts.

Full width rear bench seat, with two (2) headrests

Black Rubber Floor Covering (delete carpet).

Chrome front bumper

Auxiliary 12-volt power point, below dash.

## **BRAKES:**

4-wheel Hydraulic

Disc Style, Front and Rear

Foot Operated Rear Park Brake.

## **12-VOLT ELECTRICAL & INSTRUMENTS:**

Two (2), 12-volt batteries, 750 CCA minimum each.

Tachometer.

Hour Meter

Trip Odometer.

Oil pressure, coolant temperature, and fuel level gauges.

## **MODIFICATIONS TO CHASSIS:**

The following modifications shall be made by the apparatus body builder, to the furnished fire apparatus truck chassis. Each modification shall be described within the Manufacturer's proposal specifications so as to prove compliance or non-compliance with the following:

### **CHASSIS RELATED MODIFICATIONS:**

#### **ELECTRICAL WIRING INSTALLATION STANDARDS – 12 VDC**

All electrical circuit wiring installed by the apparatus body builder shall be stranded copper alloy conductors of a gauge rated to carry 125% of the maximum current for which the current is protected. Wiring shall be colored and/or printed with circuit function code over each conductor's entire length.

#### **ELECTRICAL WIRING INSTALLATION PERFORMANCE - 12 VDC**

All wires shall be of sufficient size so that voltage drop in any electrical device shall not exceed 15%.

#### **BATTERY CABLE INSTALLATION STANDARDS**

A master power battery cable shall be routed from batteries' common positive to battery switch, and from battery switch to a high amperage threaded stud power distribution terminal post. All battery cables shall be minimum 1-0 heavily insulated fine multi-stranded copper enclosed within high temperature vinyl loom and equipped with plated copper soldered terminals/lugs. Edge protector or rubber grommets shall be furnished where ever battery cables pass through sheet metal panels.

#### **AUDIBLE DEVICE INSTALLATION STANDARDS**

When furnished, horns, electronic siren speakers, and other audible emergency equipment shall be mounted as low and as far forward on the apparatus as practical. Audible warning equipment shall not be mounted on the roof of the chassis cab.

#### **GROUND CLEARANCE STANDARDS**

Axle housings shall clear the road surface by at least 8" and an angle of departure of at least 8 degrees shall be maintained at rear of the vehicle when fully loaded.

#### **PLACARDS**

A permanent sign that states "Occupants Must Be Seated And Belted When Apparatus Is In Motion" shall be provided. The sign shall be visible from each seated position. Additionally, an accident prevention sign shall be located at the rear step area of the vehicle to warn personnel that standing on the step while the vehicle is in motion is prohibited.

## **CHASSIS MODIFICATIONS SPECIFIC FOR QUICK ATTACK APPLICATION:**

Apparatus body builder shall make available to Customer, actual bare chassis 4-point weights, actual bare chassis 4-point top frame rail heights, and actual suspension deflection amount with imposed weight of 4,000 lbs.

All chassis frame rail mounted brackets, supports, and apparatus body subframe components shall be bolted to the frame rail sides. No holes shall be drilled in the frame flanges, only the web shall be drilled. No welding shall be allowed to the chassis frame, web, or flanges, ahead of the rear most suspension brackets. Where U-bolts are used, a spacer shall be furnished between chassis frame flanges, to prevent collapse of the same.

The rear under frame mounted fuel tank shall have fuel fill extended to driver's side outboard flat bed, extension to include: necessary fuel fill hose, and appropriate vent line. A minimum 2" threaded brass or threaded ratchet vented fuel cap shall be furnished, as inlet to the fuel fill hoses and air vent line.

#### **OCCUPANCY LABEL**

A permanent plate or label, stating the maximum number of personnel allowed to ride on the apparatus, shall be provided and installed in clear view of the driver.

#### **CHROME OR STAINLESS STEEL BRUSH GUARD, FULL WIDTH**

A full chassis cab width, bolt-on and removable, chrome plated or stainless steel metal "brush-guard" shall be furnished, installed without modification to the OEM bumper and grille. Brush-guard shall be constructed of heavy tubular metal, designed with unobstructed openings for the front head lights, turn lights, and radiator frontal area. Transformer shall be provided with a winch carrier installed

#### **REMOVABLE 12-VOLT WINCH ASSEMBLY**

9,000 lb. (4070 kg) 12-volt electric winch shall be provided.

The winch shall have one (1) forward speed and one (1) reverse speed and shall be operated by a push button controller which includes a minimum twelve (12) feet of control cable and a weatherproof receptacle.

The winch shall be supplied with an installed hook and one hundred five (105) feet of galvanized aircraft cable of a minimum 5/16" diameter. The winch will also include one (1) hawse fairlead style cable guide.

The winch shall be provided with a remote mounting system with male hitch assembly and 12-volt connector that will allow the capability of moving the winch to multiple receiver sites on the apparatus. 25 ft. remote Control Cable included.

#### **ELECTRIC WINCH RECEPTACLE FRONT AND REAR**

Front and Rear receiver areas shall be equipped with heavy duty 12-volt quick disconnect receptacle, wired to chassis batteries with loom encased insulated multi-stranded copper battery cables.

#### **FUSE PROTECTED WINCH BATTERY CABLES**

The above specified winch 12-volt power receptacle(s) shall be high-amperage fuse protected.

#### **ELECTRICAL CONSOLE, WITH BINDER POCKETS**

A custom-built, fabricated aluminum, electrical accessory console shall be furnished, installed inside the chassis cab, between front driver's and officer's seats. Console to be of "all-bolted-construction" (to allow for future modifications), maximum width, with horizontal back top surface same height as driver's and officer's seat bottom cushions, and forward "raised" sloping surface. Horizontal and sloping top surfaces of electrical console shall accommodate Customer's 2-way radio control head, the specified emergency lighting rocker switch panel, electronic siren control, and other specified accessory controls. Rear portion of console shall have at least three (3) individual pockets, sized to accommodate clip boards and 3-ring binders. Underside interior of console shall accommodate the wiring bundles, connectors, and circuit protection devices. Console to be unpainted, natural aluminum finish with machined "swirl" pattern.

### **MASTER BATTERY CUT-OFF SWITCH**

200-amp two-position battery "cut-off" switch shall be furnished, mounted on electrical console (or custom fabricated bracket) Minimum 1-0 multi-stranded copper battery cables shall run from specified battery system to battery post cut-off switch. A second heavy gauge battery cable shall run from power terminal cut-off switch to a high-amperage terminal post and to the power distribution center. All cables shall be enclosed in heavy water-proof automotive loom.

A green "battery-on" pilot light shall be furnished, mounted adjacent to battery switch, or cab dashboard, visible to driver.

NOTE: The battery cutoff switch shall be wired so as to NOT remove power from the chassis electronic memory systems.

### **SWITCH PANEL, WITH MASTER ROCKER**

Specified emergency lighting fixtures, non-emergency lighting fixtures, and electrical components shall be individually activated by fully illuminated rocker style switches. Emergency lighting switches to be illuminated RED, non-emergency switches to be illuminated WHITE or BLUE. An illuminated red tip paddle switch shall be furnished to left of emergency lighting rocker switches, identified as "MASTER EMERGENCY SWITCH". Toggle switch to provide power to the other individual emergency lighting switches. Back-lit nametags, describing function of each individual switch, to be located above toggle and rocker switches. Switches to be mounted on an embossed aluminum electrical panel.

### **ON-BOARD BATTERY CHARGER - 15 AMP**

15-AMP output/120-volt input fully automatic single 12-volt battery system charger shall be furnished, installed inside the chassis cab, with remote charge indicator Bar Graph Display visible from ground level through open driver's door. Charger to be powered by the following specified 120-volt shore power receptacle.

**120 VOLT AUTO EJECT SHORE PLUG** - An autoeject recessed shoreplug with gray weatherproof spring loaded cover shall be furnished and installed on cab side wall above driver's side exterior flat bed side assembly, conveniently accessible from ground level. Back side of shoreplug shall be equipped with protective cover, wiring to be enclosed inside coated fabric loom extending into chassis cab interior to power the specified 110-volt powered accessories.

### **CHASSIS CAB 120-VOLT SHOREPOWERED RECEPTACLE(S)**

One (1), chassis cab interior electrical console mounted 120-volt plug-in receptacle(s) shall be furnished with: surface mounted cast aluminum receptacle box, duplex 120-volt 3-wire household plug-in receptacle, metal duplex cover plate, protected wiring to the specified shoreplug, and engraved nameplate to read: "120-VOLT SHORE POWER."

### **FRONT BODY COMPARTMENT 120-VOLT SHOREPOWER**

One (1) power strip 120-volt plug-in receptacles shall be furnished, in front driver side upper compartment, exact location to be on front wall, receptacle shall include: 120-volt 3-wire household female plug-in receptacles, protected wiring to the specified shoreplug, and an engraved nameplate to read: "120-VOLT SHOREPOWER."

### **FRONT WHEELWELL MUD FLAPS**

Driver's side and passenger's side front fender wheelwell extension mudflaps shall be furnished, made of fabric reinforced neoprene rubber, bolted to the front fender liner, using stainless steel strap brackets and bolts. Mudflaps shall extend approximately 10" below bottom of cab.

### **BACK-UP ALARM**

One (1), Preco model 230, or equal 97 db12-volt electronic back-up alarm to be furnished, mounted at rear below body, activated by reverse gear of truck transmission.

**ENGINE DRIVEN PUMP:**  
**HALE ENGINE DRIVEN PUMP OR EQUIVALENT**

One (1), Hale model HPX-200-B18 or equivalent to be provided.

**Pump Performance**

The pump/engine shall perform to the standards of ISO 9 and NFPA 1906 low-pressure pump rating. Typical pump performance from 4 foot (1.52 mt) draft at sea level using a 2.5in Suction line and a 2.5in discharge shall be: 60 GPM (227 lpm) @ 150 PSI, 150GPM (567.8 lpm) @ 100 PSI, and 245 GPM (927.42lpm) @ 25 PSI.

**Pump**

The pump body shall be made of alloy aluminum castings coupled together with a stainless steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 250 PSI for 10 minutes. The impeller shall be bronze. The renewable clearance rings shall be made of anodic plated bronze to inhibit galvanic corrosion. The impeller shall be 8.75 inches (22.23 cm) in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

**Priming**

The pump shall be equipped with an exhaust venture primer of brass and stainless steel construction. The primer shall be capable of 20 inches of mercury vacuum. The primer shall be actuated with a spring return, single control lever located at the operators panel.

**\*\*Discharge**

The discharge ports shall be female NST thread, designed and located to accept applicable hose thread adapters.

**Mounting Platform**

The pump/engine shall be isolation mounted onto a steel base plate.

**Ball Valves**

The valves shall be cast of 316 stainless steel including the ball with full flow capability. The valve shall be warranted for a period of 10 years on all stainless steel components against defects in design and manufacturing processes. The wear items such as the seats, seals, and "O" rings shall have a warranty of two years on replacement parts only.

**Instrumentation**

The pump shall be supplied with a control panel set up for easy viewing. This includes a throttle lever, primer control cable, master switch, starter button, choke control, a 2.5 inch liquid filled discharge gauge, light switch, hose reel button, and an oil pressure warning light.

**Piping and Manifolds**

All the piping and pump body attached manifolding shall be stainless steel. The complete piping system shall be designed to direct mount all 1" (2.54 cm) or larger ball valves onto the pump body or stainless steel manifolds attached directly to the pump body.

**Tank Fill**

There shall be a 1" (2.54 cm) pump to tank fill stainless steel valve.

**Booster Hose Discharge**

There shall be a 1" (2.54 cm) booster hose reel discharge provided with a stainless steel valve.

**Rear 1 1/2" Discharge**

There shall be a 1 1/2" rear discharge provided with stainless steel valve along with cap and chain.

**Tank to Pump**

The tank to pump valve shall be 3" inline, installed between the water tank and the pump. The valve shall be a quarter turn ball type, fixed pivot design and be constructed of stainless steel. The tank to pump 3" (7.62 cm) valve shall have a hose barb connection.

**Gated Suction Connection**

The Gated Suction valve shall be 2.5" inline, with a 2.5" NST female swivel coupling. The valve shall be a quarter turn ball type, fixed pivot design and be constructed of stainless steel. The tank to pump 2.5" (6.35 cm) valve shall be provided with plug and chain.

**Wiring Harness**

The Class 1 electrical wiring harness shall be constructed using GXL wire per SAE J1128. Terminals shall meet the minimum pull test as required by the manufacturers pull test and crimp measurement data. All splices shall be manufactured using the ultra sonic splice process. Harness shall be 100% connected to a Dynalab® circuit tester to insure continuity and correct assembly.

**HALE Series Class A Foam System OR EQUIVALENT**

The apparatus shall be equipped with an automatic electronically controlled, direct injection, discharge side foam proportioning system. Foam proportioning operation shall be based on direct measurement of water flow, and remain consistent within the specified flows and pressures.

A 12-volt DC powered variable-speed electronic direct-injection foam-concentrate proportioning system with a 2.1-gpm-foam concentrate pump shall be integrated into the apparatus to provide foam proportioning. The pump shall be capable of handling Class A foam concentrate only and be operated by a full-function panel mounted digital display.

The system shall operate via a paddlewheel flow sensor mounted in a 3" (7.62cm) stainless steel check-valve manifold that includes a chemical injection point.

The inlet of this stainless steel manifold/check-valve assembly will be connected to the fire pump, and the outlet connected to the foam capable discharge outlet(s) on the fire apparatus, as specified. The flow sensor/stainless-steel foam manifold combination shall be capable of water or foam solution flow rates of 30- to 750-gpm.

The foam proportioning system shall be equipped with a panel mounted digital display control unit with a microprocessor that monitors total water flow and foam concentrate pump output to provide the operator preset proportional amount of foam concentrate injected on the discharge side of the fire pump. Total foam concentrate pump concentrate output shall be 2.1 gallons per minute (7.95 lts). Proportioning rate is push-button set by the pump operator on the digital display from 0.1% to 1%, in 0.1% increments.

The digital display panel mounted electronic operator control unit shall provide concentrate injection readout in tenths of a percent while also being able to read water flow, total water flowed and total amount of foam concentrate used. The control shall flash a warning indicating low concentrate in the reservoir to the operator, and shall be able to shut off the concentrate pump to prevent damage to the pump. A bar graph on the control unit shall provide visual indication of system operating capacity and will indicate when capacity is exceeded.

The foam concentrate pump shall be fed concentrate by a non-metallic housing foam concentrate strainer that is equipped with a service shut-off valve.

The unit will be fed 12-volt DC power from the apparatus electrical system, and be equipped with a chassis frame ground strap, per the foam proportioner manufacturers installation and operating instruction manual.

The system shall be piped to the discharge, and/or optional jump line or hose reel.

## **Engine**

### **POWER UNIT**

diesel type fed from chassis fuel tank. The engine shall have air cooling, electric start, 12 volt electrical system with appropriate amp alternator, spin-on oil filter, external oil cooler, spark arrestor muffler. A fuel filter shall be provided with a connection for the fuel supply.

The engine shall include a manufacturer's two (2) year warranty.

### **OPTION – Gasoline engine pump.**

### **\*OPTIONAL CAFS**

### **PNEUMAX MODEL 70-35-E MODULAR COMPRESSED AIR FOAM UNIT or Equivalent**

A modular slide-in compressed air foam unit shall be provided as described herein. It shall be designed and constructed to discharge water, foam solution or compressed air foam from all discharge ports. In addition, the consistency of the compressed air foam (expansion ratio) from each discharge shall be individually adjustable.

### **FRAME AND ENCLOSURE**

A steel frame weldment shall be provided to support and enclose the entire CAFS module, constructed of .083" wall steel square tubing. The sub-frame shall be made of 1" x 1" and 1 x 1.5 steel tubing, sufficient to support the weight of the module while in the apparatus and during loading and unloading.

All fastening hardware used in the construction of the unit shall be Grade 8, manufactured in the USA.

Smooth .090 aluminum plate panels shall enclose the unit on the front, rear and sides. The top of the enclosure shall have a full length and width hinged lid constructed of .090 smooth plate with a full-length stainless steel piano hinge and two (2) chrome plated lift and turn latches.

All steel structural members and aluminum plate panels shall be powder coated for a durable and attractive finish.

### **PERFORMANCE**

The compressed air foam system shall be capable of developing a minimum of 70 gallons per minute of water at 100 PSI and 35 cubic feet of air at 100 PSI simultaneously. The compressed air foam system shall also be capable of developing a minimum of 50 gallons per minute of water at 125 PSI and 25 cubic feet of air at 125 PSI simultaneously (NFPA rating). The unit shall also be capable of pumping water or air independently. With the air compressor in the "unload" mode, the unit shall be capable of pumping a minimum of 90 GPM of water or foam solution at 125 PSI. It shall also be capable of producing 35 CFM of air at 125 PSI independently.

### **POWER UNIT**

diesel type fed from chassis fuel tank. The engine shall have air cooling, electric start, 12 volt electrical system with appropriate amp alternator, spin-on oil filter, external oil cooler, spark arrestor muffler. A fuel filter shall be provided with a connection for the fuel supply.

The engine shall include a manufacturer's two (2) year warranty.

### **OPTION – Gasoline engine pump.**

### **POWER TRANSMISSION**

The water pump and air compressor shall be driven by a dry Poly Chain transmission. The drive system shall utilize sprockets and belts, sized to handle the speed and horsepower requirements of the water pump and air compressor. The power transmission shall be capable of operating in ambient temperatures

of -65 degrees F to +185 degrees F.

The transmission shall have sufficient power handling capacity to allow extended operations at full load while maintaining acceptable operating temperatures and component life.

### **ELECTRICAL SYSTEM**

All electrical equipment installed by the manufacturer shall conform to current automotive electrical system standards and the requirements of the applicable N.F.P.A. Apparatus Standard. In addition, the completed unit shall not produce any RFI emission.

Wiring shall be individually and permanently color-coded. The insulation shall meet SAE Standard J1128 in its latest edition for GXL or SXL temperature rating. All exposed wiring shall run in loom with a minimum 280 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to frame members along the entire run. At any point where wire or looms must pass through metal, rubber grommets shall be installed to protect the wire from abrasion.

The main low voltage electrical interface point and circuit breaker panel shall be provided at the front of the unit in a location providing easy service access.

Electrical connections shall be made using heat shrink or weatherproof connections. Circuits shall be protected with automatic reset circuit breakers.

### **WATER PUMP**

A Hypro or equivalent centrifugal water pump shall be utilized. It shall utilize a closed grain iron case, reinforced Nylon impeller, stainless steel shaft, front and rear wear rings and maintenance free mechanical seal. The pump inlet and discharge outlet shall each be 1.5 in diameter.

### **PUMP PRIMING SYSTEM**

A pneumatic oil-free priming system shall be utilized that is capable of priming the water pump through 20 feet of 2.5" hard suction hose with a 10 foot lift. Primer controls shall be mounted on the operator's panel.

### **PUMP COOLER**

A water pump circulation line shall be provided for pump cooling. 3/8" ID tubing shall be routed from the discharge side of the pump, through the compressor cooler and return to the booster tank.

### **AIR COMPRESSOR SYSTEM**

The air compressor shall be an oil flooded rotary screw type, sized to supply a minimum of 35 SCFM of useable air in the installed configuration. The system shall be designed to produce the compressor's rated output when the water pump is developing 100 to 125 PSI in a "no flow" state. The air compressor shall be capable of maintaining prolonged pressures from 100 to 150 lbs. per square inch throughout the service life of the compressed air foam system.

A pneumatic modulating inlet valve mounted on the air end inlet shall control the compressor. This controller shall sense air pressure and control the air delivery of the air end while maintaining constant pressure. An automatic balancing system shall be provided to maintain the air pressure within plus or minus 5% of the water pump pressure, throughout the pressure range. A Pneumax Auto Sync dual mode controller shall be provided on the pump operator's panel with the following settings:

AUTOMATIC : Air pressure matched to water pressure.	
FIXED:	Air pressure defaults to manual setting on compressor mounted control



	valve.
<b>UNLOAD:</b>	Air pressure reduced to 40PSI for standby or water/solution only pumping operations.

Compressor system oil shall be routed in wire braid reinforced hose conforming to SAE 100R1 standards for hydraulic hose. Air control hoses shall be SAE J844 push-on type, color coded to simplify troubleshooting.

The compressor system sump/pressure vessel shall be constructed of aluminum and shall be integral with the aircend. The sump shall have a dipstick with a screw-in cap installed for oil level monitoring, a 1" threaded oil fill cap and a drain plug located in the lowest point. The air compressor system shall incorporate a spin-on, full-flow oil filter module with an integral thermostatic valve to control oil flow to the cooler.

An air/oil separator cartridge shall be integrated into the sump/pressure vessel. Replacement elements shall be readily available.

The air compressor shall be cooled by the unit's water pump, utilizing a shell and tube heat exchanger constructed of copper and brass. Water shall flow through the heat exchanger whenever the pump is operating. The air compressor cooling system shall be capable of maintaining recommended operating temperatures throughout the full operational range in ambient temperatures up to 115 degrees Fahrenheit.

A dry element air intake filter shall be provided on the compressor air inlet, mounted on top of the air compressor module. Replacement air filters shall be readily available.

#### **Inlet Plumbing**

Pump inlet piping shall be 1.5" brass pipe with a 1.5" Elkhart tank to pump valve, controlled at the pump panel. A 1-1/2" overboard pump inlet shall be provided with a 1.5" M-NST connection and chrome plated plug.

#### **Discharge Plumbing**

Plumbing to a panel mounted 1.5" discharge outlet shall be plumbed with brass pipe. A .75" tank fill provision with .75" quarter-turn valve shall be provided. Victaulic type couplings shall be utilized in the discharge plumbing for flexibility and improved serviceability. The discharge valve shall be Elkhart brand. Discharge plumbing shall be designed and tested to a minimum 500 PSI burst pressure.

#### **Drains**

Panel mounted valves shall be provided to drain water from the water pump, discharge plumbing and compressor cooler.

#### **Foam Proportioner**

A FoamPro System 1601 automatic foam proportioner shall be provided and installed to inject foam concentrate into all discharges. The proportioner shall automatically meter the correct percentage of foam concentrate, based on current flow, into the water stream. Flow shall be measured with a 1.5" paddlewheel sensor. A check valve shall be provided ahead of the foam injection point to prevent back-flow. A 12 volt electric positive displacement pump shall be rated to flow 1.7 gallons per minute and pressures up to 250 PSI. The proportioner control head shall be mounted on the pump panel.

#### **Air Lines**

All air hoses, fittings and piping shall be rated to a minimum of 250 PSI. Check valves of stainless steel and brass construction shall be provided at the air injection point to prevent water back-flow into the air system. All hoses shall be routed in a neat and orderly fashion, secured to the frame with insulating clamps and located away from any heat sources.

## **Operators Panel**

The operators panel shall be constructed of smooth aluminum plate with a durable powder coat finish. The following controls and instruments shall be provided on the panel:

- 2.5" oil-free master water pressure gauge
- 2.5" oil-free master air pressure gauge
- Air compressor temperature gauge and provision for an overheat alarm
- Tachometer/ hourmeter
- Engine ignition/start switch
- Throttle control
- Auto Sync compressor controls and instruction plate
- Proportioner control head and instruction plate
- Push-pull discharge valve control
- Jet Prime pneumatic priming system control and instruction plate
- 1.5" M-NST chrome plated discharge outlet
- Quarter-turn compressed air discharge control for CAFS discharge located next to the water valve control
- Push-pull tank to pump valve control
- Quarter-turn pump circulation/tank fill valve control
- Pump inlet with 1.5" M-NST connection

Push-pull controls shall have chrome plated T handles. Engraved and color coded metal pump panel tags shall be mechanically attached to the pump panel to identify each instrument and control.

## **SYSTEM TESTING**

The completed unit shall undergo a manufacturer's run-in test prior to delivery. The engine, pump and air compressor shall be operated at full load for a minimum period of two (2) hours, during which time the operator shall monitor the functions of each system component and record the test results at 15 minute intervals. Compressed air foam shall be produced during the test. This testing is to be performed to ensure proper systems operation and performance prior to shipment.

## **MANUALS**

Two (2) copies of operation and maintenance manuals shall be provided to the purchaser with the unit. Manuals shall include detailed instructions in the operation and maintenance of the overall unit, engine, water pump, air compressor and foam proportioner.

**TO PROVIDE PLEASE ADD \$ \_\_\_\_\_**

## **GATED PUMP COOLER LINE, 1/4-TURN CONTROL**

One (1), gated 3/8" pump recirculating/cooling line, from pressure side of engine driven fire pump to water tank top to be provided with: 3/8" female TIPT spud located at top front of water tank, high pressure tubing, and 3/8" bronze body 1/4-turn ball style valve with chrome handle located on operator's control panel. Valve to be identified as pump cooling line.

## **HOSE REEL(S)**

### **ELECTRIC REWIND BOOSTER REEL - 200 FT. 1" HOSE, PISTOL-GRIP NOZZLE**

One (1), Hannay or equivalent 1" electric/manual rewind booster hose reel to be furnished located in upper header area of the rear of body, equipped with: exterior push button rewind switch, interior compartment mounted 4-way polished stainless steel hose roller assembly, interior compartment nozzle holder, and hinged access door with D-ring latch assembly. Reel to be equipped with 200 ft. of 1" i.d. 600 psi Fire Department booster hose and Task Force Tips DQS40P QuadraFog series 1" booster hose nozzle with pistol grip.

### **TUBULAR HOSE ROLLER AND SPOOL GUIDE ASSEMBLY**

One (1) booster hose roller assembly shall be furnished, positioned to allow booster hose to be deployed

to the sides, and rear of vehicle. Hose roller assembly to be 3-way, consisting of: two (2) vertical chrome plated spools, and one (1) horizontal polished stainless steel tubular roller full width of cargo area.

### **BOOSTER TANK:**

#### **PLATFORM/SKID MOUNTED WATER TANK WITH FOAM CELL**

##### **300 GALLON CAPACITY WATER & 8 GALLON CAPACITY FOAM**

The apparatus shall be equipped with a 300 gallon capacity water/8-gallon foam capacity polypropylene thermoplastic water tank.

The tank body and end bulkheads shall be constructed of minimum 1/2" thick, polypropylene, nitrogen-welded and tested inside and out. Tank construction shall conform to current Fire Apparatus Standards, fully baffled, and vented.

The transverse and longitudinal minimum 3/8" thick swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between compartments.

The minimum 1/2" thick top shall be recessed approximately 3/8" from the top of the side walls. Drilled and tapped holes for lifting eyes shall be provided in the top area of the booster tank.

The water fill tower shall be designed, sized and located as required by the needs of the tank. The polypropylene fill and overflow tower shall be equipped with a removable lid and polypropylene screen. The overflow tube shall be installed in fill tower.

The tank shall rest on, and be integral with, a flat platform/skid, complete with side gusset supports, rear portion of platform designed to accommodate mounting of the specified engine driven fire pump.

The water tank-to-pump "suction" line shall be of adequate size to allow for maximum GPM capacity of specified fire pump, rear exterior outlet located at least 6" above tank bottom.

##### **FOAM RESERVOIR**

One (1), 8-gallon foam reservoir shall be furnished "notched" into the top rear corner of the water tank. The foam reservoir shall include foam feed tap, low foam level sensor tap, and a foam fill stack with removable cover and vent.

##### **LIFETIME WARRANTY**

The water tank, and its installed accessories, shall be covered by a "Lifetime" Warranty, against cracks, corrosion, or other failures caused by the tanks design and normal use of the same. The warranty shall be between the tank manufacturer, and the customer.

##### **WATER TANK INDICATOR**

Tank indicator kit shall be installed. The kit shall include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of aluminum, and have a distinctive blue label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, and a datalink to connect remote indicators. Low water warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water tank near the bottom. No probe shall place on the interior of the

tank. Wiring shall be weather resistant and have automotive type plug-in connectors.

### **CLASS A FOAM TANK INDICATOR**

Tank indicator kit shall be installed. The kit shall include an electronic indicator module, a pressure sensor, a 10' sensor cable and a tank vent. The indicator shall show the volume of Class A foam concentrate in the tank on nine (9) easy to see super bright LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of aluminum, and have a distinctive green label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, and a datalink to connect remote indicators. Low foam warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the foam tank near the bottom. No probe shall place on the interior of the tank. The foam tank vent shall be installed on the foam fill tower. Wiring shall be weather resistant and have automotive type plug-in connectors.

### **APPARATUS BODY AND COMPARTMENTATION:**

#### **ALUMINUM FLAT BED BODY**

An all aluminum flat deck (bed) body shall be furnished, at least 108" long by 94" wide, with: aluminum top deck, extruded aluminum channel transverse under-deck sub frame, extruded aluminum channel outboard perimeter frame, extruded aluminum longitudinal frame (chassis frame liner), and extruded tubular aluminum 36" high forward bulkhead. Lower level of flatbed shall be provided with four (4) each compartments with hinged doors. Compartments shall be provided in front and behind the rear axle. A wheelwell fender and lower rear panel shall be provided. The flat deck body shall be fastened to the chassis frame rails, using removable U-bolts, with barrier material between aluminum longitudinal frame and chassis steel frame rails.

A rear under-deck gravel shield (apron) shall be furnished, full width of flat deck body, designed for rear tail lighting. Gravel shield shall be fabricated of matching 4-way treadplate material with a rear step surface.

#### **ENHANCEMENTS TO FLAT-DECK BODY**

##### **REAR WHEELMUD FLAPS, TWO (2) EACH**

Driver side and passenger's side rear under-body mudflaps shall be furnished, made of fabric reinforced neoprene rubber, bolted to the under-deck cross channels, using stainless steel strap brackets and bolts. Mudflaps shall extend to within 10" of ground level.

#### **ALUMINUM TREADPLATE COMPARTMENTS**

##### **HORIZONTAL COMPARTMENTS, WITH ROLL-UP DOORS**

Four (4) each, two (2) driver side and two (2) passenger side, fully enclosed horizontal compartments shall be furnished, fabricated of polished 4-way aluminum treadplate material. The compartments shall each be: 52" inside length, by 40" inside height, by 20" inside depth. Outside dimensions are 52" long 41" high driver side 15" passenger side 23" deep. Vents to be provided on front compartment floors.

The forward compartment and back compartment shall be integral, single piece construction, without middle bulkhead/wall. Interior compartment single piece floor shall be "sweep-out" design, with treadplate floor 1-inch higher than bottom door sill. Compartment surrounding door jambs.

Compartment doors, one (1) per compartment, shall be roll-up style.

## **ENHANCEMENTS TO COMPARTMENTS**

### **12-VOLT INTERIOR COMPARTMENT LIGHTS**

Four (4) each, 12-volt, 5" diameter, interior compartment ceiling mounted lights shall be furnished. All lights shall be wired to a single activation switch, located in a customer designated position.

### **HOSE DONUT ROLL SLEEVE/POUCH**

A fabricated 4-way aluminum treadplate fire hose donut roll "pouch" shall be furnished, bolted to inboard back side of specified upper level horizontal compartment. Pouch shall be designed to accommodate one (1) 50 ft. section of 1" or 1-1/2" double jacket collapsible fire hose, in a donut roll. Floor of pouch shall be sloped down towards front, with back "open" and equipped with a vinyl retainer strap with squeeze-snap connector.

### **POCKET HOLDER, FOR PISTOL GRIP NOZZLE - OPTIONAL**

Three (3) each fabricated 4-way aluminum treadplate "pocket" style pistol-grip nozzle holders shall be furnished, with 2-bolt flanged mounting surface.

### **REAR TOW EYES, 2-EACH**

Two (2), 4" x 3/4" thick steel tow eye plates shall be furnished, bolted to rear chassis frame rail end extensions, protruding through rear body panel, above tailboard. Tow eye holes to be at least 3" diameter to pass through a chain hook.

### **BACK BOARD SLEEVE COMPARTMENT**

A fully enclosed backboard compartment shall be provided, located upper inboard rear corner of driver side compartmentation. Compartment shall include: overlapping bevel 4-way aluminum vertically hinged rear door with latch assembly and full body length smooth aluminum fabricated sleeve of adequate size to accommodate customers backboard with lower area to store flappers or shovels. Compartment sleeve to be perimeter flanged at rear, box construction extending from rear drivers body corner forward to allow proper storage.

Sleeve dimensions through opened rear access door, to be: 8" wide x 41" high x 107" front-to-rear (long).

### **TRAILER HITCH**

A Class IV receiver type trailer hitch shall be installed at rear of apparatus and fastened directly to the under-body subframe. Hitch shall be rated not less than 750 lb. tongue weight/7500 lbs. rolling-load pull capacity. A weatherproof 7-way round, pin style, trailer connector (brake/stop/tail connection with trailer brake control wires only), and tail light converter shall be installed beside hitch receiver. A removable hitch flat bar tongue with machined hole shall be provided.

### **COMPARTMENT SHELVING**

Three (3) each, compartment shelves shall be furnished, constructed of .125" thick 5052 aluminum sheet. Shelf perimeter flanges (4 each) shall be broke up 2". Each shelf shall have a load capacity of no less than 100 lbs. and shall be infinitely adjustable along vertical Quad-Rail tracks.

Each compartment shelf shall have two (2) angular clamp brackets bolted to under side shelf floor, four (4) aluminum heavy flat bar track clamps with threaded stainless steel carriage bolts and self-locking nuts, and mounting holes for the specified under shelf 12-volt interior compartment light fixture. Compartment shelves, shelf angular clamp brackets, and track assemblies shall be unpainted "swirl-finish".

### **MOUNTING TRACKS**

The specified shelving equipped compartments will include the necessary vertical mounting Quad-Rail or equivalent (4-clamping surfaces per track) tracks, one track on each forward and back interior wall/bulkhead of the compartment. Mounting tracks shall accommodate future installed trays, shelves, and other track mounted optional accessories.

Tracks shall be bolted to, and easily removable from the specified vertical interior compartment surfaces, with back side (mating surface) of track assembly lined with dielectric barrier tape.

### **BRACKETS**

Brackets mounted on upper left compartment for 2 lengths of 2.5" x 10 ft hard suction.

### **COMPARTMENT FLOORS AND SHELVING VINYL TILES**

Turtle Tile brand or equivalent black section vinyl tiles shall be furnished, installed on top surface of all interior compartment compartment floors and horizontal shelves. Tiles shall be cut to size and shape of all floors and shelves.

### **WIRING HARNESES**

All apparatus body and pump compartment wiring for specified lights and electrical equipment shall be suitably protected inside heat resistant vinyl, forming multiple harnesses. Multiple harnesses to run from chassis cab, pump enclosure, and apparatus body to a PDC (power distribution center). Harnesses shall consist of individual legend imprinted multi-stranded copper color coded SAE-J 1128 compliant automotive wires inside split-vinyl loom. Spare wires shall run throughout apparatus compartmented body and pump compartment, so as to allow future installations of electrical accessories, using original harnesses. All wiring to be identified, "imprinted" with number and function. Auto-reset circuit breakers to be furnished, of various amperage capacity, sized for intended load.

All 12-volt switches, relays, terminals, connectors, and wiring to have a direct current rating of 125% of maximum current for which the current is protected. All wiring terminals to be machine crimped, pull-tested during assembly.

### **POWER DISTRIBUTION CENTER**

The power distribution center shall be a modular cabinet fabrication, containing 12-volt electric relays and devices necessary for proper operation of direct current electrical non-emergency and emergency lighting functions

### **BATTERY CABLE UPGRADE**

A minimum 1-0 multi-stranded copper insulated battery cable shall run from specified battery switch to chassis frame mounted threaded stud terminal block, providing power to high amperage items such as priming motor, reel rewind motor, and engine starter.

### **ROCKER SWITCHES**

Specified emergency lighting fixtures, non-emergency lighting fixtures, and electrical components shall be individually activated by fully illuminated rocker style switches. Emergency lighting switches to be illuminated, non-emergency switches to be illuminated a contrasting color. An illuminated switch shall be furnished to left of emergency lighting rocker switches, identified as "MASTER EMERGENCY SWITCH". Toggle switch to power individual emergency lighting switches. Back-lit nametags, describing function of each individual switch, to be located above toggle and rocker switches.

Controls and switches, which are expected to be operated by the driver while the apparatus is in motion, are to be within convenient reach of the driver. The controls to operate the siren to be within convenient reach of both driver and front passenger (officer).

### **VEHICLE SPECIFIC WIRING INFORMATION**

"Vehicle Specific" wiring information shall be provided for this particular apparatus "as built" upon completed delivery of the same.

### **APPARATUS NON-EMERGENCY LIGHTING:**

Apparatus to have sufficient lights to properly illuminate each enclosed tool and equipment compartment,

work areas, steps and walkways. Lights shall be located to minimize accidental breakage.

All specified light fixtures to be located/fitted prior to and re-installed after finish painting. Where fixture wiring passes through metal body panel, the pass-thru hole to be equipped with a rubber grommet. All specified light fixtures shall be installed, using stainless steel screws with non-metallic "replaceable" threaded inserts (nuts), to allow removal of light fixture, from exterior of body. Where light fixtures are to be installed on a painted panel, all light fixture mounting holes, grommet holes, and fastener holes shall be machined/cut-out prior to prime and finish painting, so that all metal surfaces receive the same protective coating.

#### **D.O.T. MARKER LIGHTS**

Five (5), Truck-Lite 4" x 2" rectangular surface mount 12-volt dual bulb marker lights with snap-on reflective lenses to be furnished, located: two (2) recessed behind specified rear tailboard corner flanged bevels and three (3) recessed behind center rear tailboard flange, with diamond shape flange cut outs. Lenses to be Red. Marker lights to be activated by headlamp switch.

#### **TAIL & STOP LIGHTS**

Two (2), Whelen model 60X000RR, or equivalent, 5" x 8" rectangular chrome plated flange surface mount halogen combination stop/tail lights to be furnished, mounted each side at rear of body. Lenses to be 4" x 6", Red. Lights to be wired for activation by service brake and headlamp switch.

#### **TURN LIGHTS**

Two (2), Whelen model 60X000TR, or equivalent, 5" x 8" rectangular chrome plated flange surface mount halogen turn signal lights to be furnished, mounted one each side at rear of body. Lenses to be 4" x 6" Amber with left turn and right turn arrows. Lights to be wired for activation by left or right turn signal (not by brake lights).

#### **BACK-UP LIGHTS**

Two (2), Whelen model 60J000CR, or equivalent, 5" x 8" rectangular chrome plated flange surface mount halogen back up lights to be furnished, mounted one each side at rear of body. Lenses to be 4" x 6", Clear. Lights to be wired for activation by reverse gear of truck transmission.

Above specified lights to incorporate the Whelen model 6E flanges or equivalent and be bolted in position, evenly spaced, driver's side and passenger's side rear body corners.

#### **BACK-UP ALARM**

One (1), 12-volt electronic back-up alarm to be furnished, mounted at rear below body, activated by reverse gear of truck transmission.

#### **UNDER BODY LIGHTING**

Six (6), TruckLite model 918540003, or equivalent, 4" round under body 12-volt ground lights to be furnished, located: three (3) each, driver's side, two (2) ahead of and one (1) behind rear wheels, three (3) each passenger's side, two (2) ahead of and one (1) behind rear wheels. Lights to be completely sealed for weather resistance, lenses to be 4" diameter Clear. Lights to be activated by **center console mounted switch**.

#### **COMPARTMENT LIGHTS**

Up to ten (10), Truck-Lite model 80351, or equivalent, 6" round chrome plated surface mount 12-volt compartment lights to be furnished, located on ceiling of all enclosed compartments and under-side of each specified individual permanent and adjustable compartment shelf. Lenses to be 5" diameter, clear. Ceiling and under shelf lights to be activated by a single electrical console mounted illuminated rocker switch, identified as "**COMPARTMENT LIGHTS**". Wiring for under shelf lights to include quick-disconnect electrical connections to facilitate shelf removal.

#### **FRC OPTIMUM 12-VOLT 150W BOTTOM RAISE LIGHTS**

Two (2), Fire Research model OPA530-H15, or equivalent, 12-volt, 150-watt HID lights with

telescoping poles and side mount brackets shall be furnished. Lights shall be wired to 12-volt electrical system, and equipped with light head mounted (or remote illuminated, must specify) switches, one for each light head.

Lights shall be mounted on front body compartment corners. If possible

## **APPARATUS OPTICAL AND AUDIBLE WARNING DEVICES**

### **LIGHT PACKAGE ACTUATION CONTROLS**

The entire warning light package shall be actuated with a single master warning switch in the cab switch panel. The wiring for the warning light package will engage all of the lights required for "Clearing Right of Way" mode when the vehicle parking brake is not engaged. An automatic control system will be provided to switch the warning lights to the "Blocking the Right of Way" mode when the vehicle parking brake is engaged.

### **GRILLE WARNING LIGHTS - LED**

Two (2), Whelen 500 series, TIR Super LED, or equivalent, 5" x 1-5/8" rectangular surface mount LED lightheads and two (2) 5EFLANGE chrome plated surrounds to be furnished, surface mounted located on front grille. Light lenses to be 5" wide x 1-5/8" high, driver's Red, passenger's side Red. Lights to be activated by a separate illuminated rocker switch, identified by function.

### **INTERSECT LED WARNING LIGHTS**

Two (2), Whelen 500 series, TIR Super LED, 5" x 1-5/8" rectangular surface mount LED lightheads and two (2) 5EFLANGE chrome plated surrounds to be furnished, surface mounted located driver and passenger front bumper sides or hood/cab sides. Light lenses to be 5" wide x 1-5/8" high, driver's Red, passenger's side Red. Lights to be activated by a separate illuminated rocker switch, identified by function.

### **LIGHTBAR**

One (1ea) Whelen model FN55VLED 55" long NFAP approved LED lightbar shall be furnished and installed, mounted to chassis roof with individual back-lit rocker style switch at 12V emergency light console. Lightbar to include four (4) front LED (two Red and two White) modules and clear lenses: Activation of Parking Brake shall disengage any Forward Facing clear lights.

### **ELECTRONIC SIREN**

One (1), Code 3 model 3692, or equivalent electronic siren amplifier to be furnished, surface mounted to the specified electrical console. A built-in microphone to be furnished with coil cord and mounting clip. Siren amplifier to be wired to the specified electronic siren speaker(s).

### **SPEAKER**

One (1), Code 3 PSE-Z100, or equivalent, 100-watt rectangular concealed speaker to be furnished, located recessed behind front bumper. Vertical surface of front bumper to be "cut-out", back side (between bumper and speaker) furnished with polished stainless steel speaker grille. Where appropriate, back side of speaker shall have boxed aluminum protective enclosure.

### **REAR / REAR SIDE FLASHERS - UPPER**

Eight (8), Whelen 500 series TIR6, or equivalent, 1-5/8" x 5" rectangular flush mounted emergency Super-LED lights complete with associated 5TSMAC flanges to be furnished, located two (2) driver's side upper and lower rear body corner sides, two (2) passenger's side upper and lower rear body corner sides, and four (4) on rear surface of body corners; two (2) driver's side and two (2) passenger's side, (as close to top and bottom as practical). Light lens to be all Red and activated by a single illuminated rocker switch, identified as "UPPER LEVEL FLASHERS".

### **EMERGENCY RADIO**

Customer provided mobile radio will be installed by manufacturer.



**ACCESSORIES**

2 lengths 2.5" x 10 ft. hard suction. Storz coupling.

Pump intake 2.5" Storz coupling.

(2) 2.5" male X 2.5" Storz coupling.

(2) 2.5" female X 2.5" Storz coupling.

**FINAL DELIVERY**

Final delivery of the completed apparatus shall be made via drive-away F.O.B. Fire Department Headquarters, at which time Fire Department personnel shall be instructed as to the proper use of the fire pump systems, as well as component systems by a Factory Representative. Factory training shall include intensive fire pump training session by a delivery engineer with extensive experience giving such sessions.

The Purchaser shall make all housing arrangements for the Delivery Engineer and provide him/her with transportation to and from lodging and nearest available airport or rental car agency (if it applies). The cost of all housing and other living expenses are to be paid for by the Delivery Engineer.

**COUNCIL LETTER 121508-VIG**

**ED ROSKOSKI**

**MINIMUM HOUSING STANDARDS**

**DATE:** December 10, 2008

**FROM:** Ed Roskoski  
City Councilor

Craig J. Wainio  
City Administrator

---

Councilor Roskoski requested this item be placed on the agenda with this background information:

There has been some internal discussion as to what is the legal statutory minimum standard as to what is a livable place in Mountain Iron. Mr. Aluni will be directed to research what can be found on this topic. A presentation will be made to the City Council at a later date.

**COUNCIL LETTER 121508-VIH**

**ED ROSKOSKI**

**CITY HALL/COMMUNITY CENTER EXPENSES**

**DATE:** December 10, 2008

**FROM:** Ed Roskoski  
City Councilor

Craig J. Wainio  
City Administrator

---

Councilor Roskoski requested this item be placed on the agenda with this background information:

The facility is only 10 years old, 2 new furnaces - \$60K, updated office area - \$5K, complete paint rehab - \$30K. We really should review how much money is being taken in on building rental fees vs. how much money is going out for maintenance and repairs. Rate increases may be necessary.

**COUNCIL LETTER 121508-VII**

**ED ROSKOSKI**

**RESERVOIR EXPENSES**

**DATE:** December 10, 2008

**FROM:** Ed Roskoski  
City Councilor

Craig J. Wainio  
City Administrator

---

Councilor Roskoski requested this item be placed on the agenda with this background information:

The rate structure and expenses associated with the facility should be reviewed. A rate increase may be necessary and/or look for ways to cut expenses.

COMMUNICATIONS  
DECEMBER 15, 2008

1. Iron Range Resources, information regarding instituting a Community Business Partnership Grant Program.

December 3, 2008

Dear Community Official:

I am pleased to announce that Iron Range Resources is instituting a Community Business Partnership Grant Program, in part based on the strong demand indicated by communities from our recent survey.

This program is somewhat similar to the earlier Storefront Renovation Program that was administered in the early 1990's in that it makes grants funds available to communities who, in turn, will make low interest loans to eligible businesses for building renovations and/or expansions.

Iron Range Resources funds must be leveraged by a minimum of one dollar of matching funds for every two dollars of agency funds granted. Grant awards and matching funds must be used to create a revolving loan fund to be utilized by business owners to improve their property.

The amount of Iron Range Resources funding made available during the current fiscal year for this program will be determined by factors including the availability of agency funding and overall demand for the program. In addition, the program may be funded over two or more fiscal years. Grant awards are expected by spring of 2009.

The application deadline for the Commercial Building Renovation Program is February 1, 2009. If your community is interested in participating in this new program, we ask that you complete the enclosed application and return it to Lori Spielman. Lori will coordinate the program and can be reached at (218) 744-7400, ext. 341 or [lori.spielman@state.mn.us](mailto:lori.spielman@state.mn.us).

Sincerely,



Sandy Layman  
Commissioner

Enc.

