VAULT COPY

Do not staple!

AGENDA

City of Brookings

Common Council Meeting

Brookings City Hall

Council Chambers

898 Elk Dr, Brookings, OR

October 22, 2001

7:00 p.m.

Happy Halloween in Brookings – the home of winter flowers

agenda

CITY OF BROOKINGS
COMMON COUNCIL MEETING
Brookings City Hall Council Chambers
898 Elk Drive, Brookings, Oregon
October 22, 2001
7:00 p.m.

I. **CALL TO ORDER**

II. **PLEDGE OF ALLEGIANCE**

III. **ROLL CALL**

IV. **CEREMONIES/APPOINTMENTS/ANNOUNCEMENTS**

A. Appointments
   1. Appointment of City representative to the Curry County Recycling Committee

B. Announcements
   1. New Employee - Vicki Bailey / Accounts Receivable Clerk

V. **ORAL REQUESTS AND COMMUNICATIONS FROM THE AUDIENCE**

A. Committee and Liaison reports
   1. Chamber of Commerce
   2. Brookings-Harbor 17C School District
   3. Council Liaisons

B. Unscheduled

VI. **STAFF REPORTS**

A. City Manager
   1. Authorize voting delegate and alternate for League of Oregon Cities Annual Conference and Business Meeting
   2. Pool Summary – 2001
   3. Needs and Issues

4. Request for easement from Kerr's Ace Hardware

5. Community Pride Month Tallies from Curry Transfer and Recycling General Manager Pete Smart

6. Other

B. Community Development Department

1. Award of contract for true-erosion chlorinator for city swimming pool

2. Awarding of contract for purchase of riding lawn mower for Public Works Division

C. Fire Department

1. Authorize request for bid for fire engine

VII. CONSENT CALENDAR

A. Approval of Council Meeting Minutes

1. Minutes of October 8, 2001, Regular Council Meeting

(end Consent Calendar)

VIII. REMARKS FROM MAYOR AND COUNCILORS

A. Council

B. Mayor

IX. ADJOURNMENT

Council Chambers &
Fire Hall Activities Use

OCTOBER 2001 — Revised 10/18/01

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	7:00pm FH-FireTrng/ChShrp 1	6:00pm CC-Planning Commssn & Joint Council Study Session 2	12:00pm Comnity Agencies mtg @ Chetco Sr.Center 7:00pm FH-PoliceReserves 3	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am CC-Crime Stoppers 10:00am CC-Site Plann Com Mtg/LauraLee Gray 7:00pm CC-Skate Park Committee Mtg/L. Blodgett 4	8:00am CC-WORD/Windows 2000 Classes by Jim Relaford 5	CC-Fire Instructor I Class/Dept of Pub 6
CC-Fire Instructor I Class/Dept of Pub	FIRE PREVENTION WEEK Oct 7-13,2001					
7	9:30am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm FH-FireTrng/ChShrp 7:00pm CC-Council Mtg Columbus Day 8	3:00pm CC-HOPE Mtg/ Councilor Lorraine Kuhn 9	2:30pm FH-SafetyComMtg/ HThmpson 10	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10:00am CC-Site Plann Com Mtg/LauraLee Gray 11	12	13
14	10:00am CC-Subdvsn Com Mtg/JBischoff 7:00pm FH-FireTrng/ChShrp 15	1:30pm CC-JBischoff: ODOT, Curry Co, BH Ford, City Staff Mtg 2:00pm CC-Bid Opening for riding lawn mower/Public Works; LBarker National Boss Day 16	6:00pm FH-Subrbn Fire Dist Mtg/RexAtwell 17	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10:00am CC-Site Plann Com Mtg/LauraLee Gray 18	19	20
Elks Drug Free Choices "Red Ribbon Week" - Oct 21-27, 2001 Brookings Domestic Violence Awareness Week - Oct 21-27, 2001						
21	9:00am CC-Municipal Court/ JdgHarper 9:30am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm CC-Council Mtg 7:00pm FH-FireTrng/ChShrp 22	23	5:00pm CC-Police Dept Training: Dr. Ruben/JBishop 7:00pm CC-S.A.Y. Committee Meeting/Councilor Johns 24	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am FH-Cal-Ore Ground Ambulance 2001 Training: Pharmacigy/Kathy Ottenbrelt,RN 10:00am CC-Site Plann Com Mtg/LauraLee Gray 2:00pm CC-Citizens for Emergency Preparedness: MArrell, JRupert 7:00pm City Hall Garden Area &/or FH: Oasis Shelter Candlelight Vigil from USPO to City Hall 7:00pm CC-Parks & Rec Comm/ LBlodgett		1:00pm CC-Dog Obedience Class for Owners / Kevin Roeckel 469-7673 27
Daylight Savings Ends 28	7:00pm FH-FireTrng/ChShrp 29	7:00pm CC-Downtown Devlpmnt Mtg/ LBlodgett 30	31			

SEPTEMBER 2001

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24	25	26	27	28	29

NOVEMBER 2001

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Digital

NOVEMBER 2001

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am CC-Crime Stoppers 10:00am CC-Site Plann Com Mtg/LauraLee Gray 7:00pm CC-Skate Park Committee/LBlodgett 1	2	3
4	9:30am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm FH-FireTrng/ChShrp 5	7:00pm CC-Planning Commssn 6	12:00pm Comnity Agencies mtg @ Chetco Sr.Center 7:00pm FH-PoliceReserves 7	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am FH-Cal-Ore Ground Ambulance 2001 Training: Pharmaclgy/Kathy Ottenbreit,RN 10:00am CC-Site Plann Com Mtg/LauraLee Gray 6:00pm CC-ROTA /Reserves Officer Training - BPalicki 8	9	10
Veterans Day 11	8:00am City Hall CLOSED - Veterans Day Holiday..... 7:00pm FH-FireTrng/ChShrp 12	3:00pm CC-HOPE Mtg/ Councilor Lorraine Kuhn 13	2:30pm FH-SafetyComMtg/ HThmpson 7:00pm "Curry Govts" Mtg @ Gold Beach City Hall-2nd Wed of,Nov,Jan, Mar, May, Jul, Sep, Nov, Jan 14	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10:00am CC-Site Plann Com Mtg/LauraLee Gray 7:00pm CC-Parks & Rec Comm 2:00pm CC-Citizens for Emergency Preparedness: MArrell, JRupert 15	16	17
18	9:00am CC-Municipal Court/ JdgHarper 9:30am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm CC-Council Mtg 7:00pm FH-FireTrng/ChShrp 19	20	6:00pm FH-Subrbn Fire Dist Mtg/RexAtwell 21	8:00am City Hall CLOSED - Thanksgiving Holiday..... Thanksgiving 22	8:00am City Hall CLOSED.....???..... 23	24
25	7:00pm FH-FireTrng/ChShrp 26	27	28	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am FH-Cal-Ore Ground Ambulance 2001 Training: Cardiac Dysrythmias/ Kathy Ottenbreit,RN 10:00am CC-Site Plann Com Mtg/LauraLee Gray 3:00pm CC-AMF Mtg/SRidens 6:30pm CC-Seatbelt Class-PD/BPalicki 29	30	

OCTOBER 2001

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

DECEMBER 2001

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

DECEMBER 2001 - Revised 10/18/01

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						CIVIL AIR PATROL B/D-12/1 1
2	9:30am CC-VIPS/Volunteers in Police Service-BPaticki 7:00pm FH-FireTrng/ChShrp 3	7:00pm CC-Planning Commssn 4	12:00pm Comnity Agencies mtg @ Chetco Sr.Center 7:00pm FH-PoliceReserves 5	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am CC-Crime Stoppers 10:00am CC-Site Plann Com Mtg/LauraLee Gray 6	7	8
9	7:00pm FH-FireTrng/ChShrp 7:00pm CC-Council Mtg Hanukkah 10	3:00pm CC-HOPE Mtg/ Councilor Lorraine Kuhn 11	2:30pm FH-SafetyComMtg/ HThmpson 12	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am FH-Cal-Ore Ground Ambulance 2001 Training: Cardiac Dysrythmias/ Kathy Ottenbreit,RN 10:00am CC-Site Plann Com Mtg/LauraLee Gray 13	14	15
16	9:00am CC-Municipal Court/ JdgHarper 9:30am CC-VIPS/Volunteers in Police Service-BPaticki 7:00pm FH-FireTrng/ChShrp 17	18	6:00pm FH-Subrbn Fire Dist Mtg/RexAtwell 6:00pm CC-Victim's Impact Panel (247-2412) Curry Prevention Services/MLaird 19	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10:00am CC-Site Plann Com Mtg/LauraLee Gray 2:00pm CC-Citizens for Emergency Preparedness: MArrell, JRupert 20	21	22
23	7:00pm FH-FireTrng/ChShrp 24	8:00am City Hall CLOSED - Christmas Day Holiday..... Christmas 25	26	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am FH-Cal-Ore Ground Ambulance 2001 Training: Blood Borne Pathogens / Ed Palmer (EMT-P) 10:00am CC-Site Plann Com Mtg/LauraLee Gray 27	28	29
30	7:00pm FH-FireTrng/ChShrp 31					

NOVEMBER 2001

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JANUARY 2002

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JANUARY 2002 Revised 10/18/01

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		8:00am City Hall CLOSED - New Year's Day Holiday..... 7:00pm CC-Planning Commssn New Year's Day 1	12:00pm Comnity Agencies mtg @ Chelco Sr.Center 7:00pm FH-PoliceReserves 2	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 9:00am CC-Crime Stoppers 10:00am CC-Site Plann Com Mtg/LauraLee Gray 3	4	5
6	9:00am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm FH-FireTrng/ChShrp 7	3:00pm CC-HOPE Mtg/ Councilor Lorraine Kuhn 8	2:30pm FH-SafetyComMtg/ HThmpson 9	10:00am CC-Site Plann Com Mtg/LauraLee Gray 7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10	11	12
13	7:00pm FH-FireTrng/ChShrp 7:00pm CC-Council Mtg 14	15	6:00pm FH-Subrbn Fire Dist Mtg/RexAtwell 16	7:00am TV49-Coast Today w/City Officials &/or Employees 10:00am CC-Site Plann Com Mtg/LauraLee Gray 2:00pm CC-Citizens for Emergency Preparedness: MArrell, JRupert 8:15am CC-CmtyDevDpt Staff mtg/LLightle 17	18	19
20	9:00am CC-Municipal Court/ JdgHarper 9:00am CC-VIPS/Volunteers in Police Service-BPalicki 7:00pm FH-FireTrng/ChShrp M.L. King Jr. Day 21	22	23	7:00am TV49-Coast Today w/City Officials &/or Employees 10:00am CC-Site Plann Com Mtg/LauraLee Gray 8:15am CC-CmtyDevDpt Staff mtg/LLightle 7:00pm CC-Parks & Rec Comm/ LBlodgett 24	25	26
27	7:00pm CC-Council Mtg 7:00pm FH-FireTrng/ChShrp 28	29	30	7:00am TV49-Coast Today w/City Officials &/or Employees 8:15am CC-CmtyDevDpt Staff mtg/LLightle 10:00am CC-Site Plann Com Mtg/LauraLee Gray 31		

DECEMBER 2001

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

FEBRUARY 2002

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Staff Report

To: Mayor Hagbom & City Councilors

From: Leroy Blodgett, City Manager

Date: October 17, 2001

Re: LOC Voting Delegate

BACKGROUND

Each year the League of Oregon Cities (LOC) holds its Annual Business Meeting on the last day (Sunday) of the annual conference. At the meeting delegates will discuss and vote on resolutions recommended by the Resolutions Committee. Each city needs to appoint a voting delegate and an alternate.

STAFF RECOMMENDATION

Appoint Mayor Hagbom as the voting delegate and Council President Curry as the alternate.

League of Oregon Cities
Local Government Center
1201 Court St. NE, Suite 200
Salem, Oregon 97301-4194

P.O. Box 928
Salem, Oregon 97308-0928

(503) 588-6550 or 1-800-452-0338
Fax: (503) 399-4863 or 566-3422
E-mail: loc@orlocalgov.org
Web: www.orlocalgov.org/loc

10/22
For mtg

September, 2001

TO: City Managers, Administrators and Recorders

FROM: JoAnn Ghelfi, Conference Manager

Enclosed are the **voting delegate** and **equipment exchange** forms for the League's annual conference. These forms should be completed and returned to the League office by Friday, October 26.

The *equipment exchange* provides you the opportunity to advertise for sale any surplus equipment, autos, etc. you may have, as well as to make known your interest in purchasing a specific item. Responses received will be displayed on a bulletin board near the League's registration desk during the conference.

The *voting delegate* form, when returned to the League, tells us who will be voting for your city during the Annual Business Meeting on Sunday, November 11. Please note that delegates ***may not vote without a voting card,*** and voting cards will be ***issued only to the person listed on the voting delegate form.*** Voting by proxy will not be permitted. The voting cards will be available the morning of the 11th, just prior to the business meeting.

Thanks!

Enclosures

JG/jlg

M:\LOC\LOCCONF\2001\equipxch deleg ltr frm.wpd

League of Oregon Cities

76th ANNUAL CONFERENCE and BUSINESS MEETING

November 9 - 11, 2001 — Hilton Eugene & Conference Center

Designation of Voting Delegate at Annual Business Meeting

The annual business meeting will be held Sunday, November 11, at 8:30 a.m. Each city is entitled to cast one vote at the business meeting; however, all city officials are encouraged to attend.

Use this form to indicate those persons who will represent your city as a voting delegate and alternate delegate. The voting delegate or alternate should pick up a voting card at the Conference Registration Desk on Sunday morning prior to entering the business meeting. **NOTE**: Delegates may not vote without a voting card, and voting cards will be issued only to a person indicated on this form. Voting by proxy will not be permitted.

FOR THE CITY OF _____

VOTING DELEGATE

Name _____

Title _____

ALTERNATE

Name _____

Title _____

Submitted by _____
(Signature)

Name _____

Title _____

Telephone Number _____

Return by **October 26** to:

League of Oregon Cities
P.O. Box 928
Salem, OR 97308

M:\LOC\LOCCONF\2001\equipxch deleg ltr frm.wpd

League of Oregon Cities

76th ANNUAL CONFERENCE and BUSINESS MEETING

November 9 - 11, 2001 — Hilton Eugene & Conference Center

Equipment Exchange

1. I would like to advertise the following used vehicles, equipment, or other surplus items on the equipment exchange display board at the League Conference (include brief description and asking price):

2. We are interested in purchasing the following used equipment or vehicle(s):

Please complete and return by **October 26** to:

League of Oregon Cities
PO Box 928
Salem, OR 97308

Submitted by _____

Title _____

City/Dept. _____

Address _____

City, Zip _____

Phone (___) _____ FAX _____

E-Mail _____

CITY OF BROOKINGS

898 Elk Drive
Brookings, Oregon 97415
Phone (541) 469-2163
Fax (541) 469-3650
cityhall@brookingsor.org

The Home of Winter Flowers

Pool Summary 2001

Individual Swims	$5,339.05
Passes	$6,127.25
Lessons	$15,608.25
Rentals	$1,353.50
	$28,428.05

Attended Public Swim	3,808
Participated in Lessons	844
Attended Lap Swim	1,731
Group Rentals	16

Pool Summary 2000

Individual Swims	$5,648.30
Passes	$5,923.50
Lessons	$15,899.50
Rentals	$1,185.00
	$28,656.30

Attended Public Swim	3,993
Participated in Lessons	864
Attended Lap Swim	1,605
Group Rentals	17

Staff Report

To: Mayor Hagbom & City Councilors

From: Leroy Blodgett, City Manager

Date: October 17, 2001

Re: Needs & Issues

BACKGROUND

Each year cities, counties, ports and special districts have an opportunity to submit projects through the "Needs and Issues" process. Projects are then prioritized on a county-wide bases. It is not an application process or any guarantee for funding. Nevertheless, state and federal Lead Agencies, along with some foundations and trusts, may draw from projects submitted through the Needs and Issues Inventory process to further develop projects and invite applications for specific funding.

Below is a list of recommended projects. Some are projects that have been submitted before. This does not mean that other projects may not be added or funded later, but it does allow funding agencies to consider projects early in the process. The list below is not prioritized. We will discuss each of the projects below in more detail Monday evening.

RECOMMENDED PROJECTS

City Parks Master Plan $50,000

City Hall/Fire Department Building $2,800,000

Water System Upgrade..... $2,300,000

Water Storage..... $2,500,000

Infrastructure to service north UGB..... $3,000,000

Covered Swimming Pool/Activity Center..... $2,000,000

Public Works Shop $500,000

Azalea Park Concession/Rest Rooms..... $80,000

Azalea Park parking lot $60,000

Staff recommends City Council approve the above list to be submitted in the Needs & Issues Inventory process.

Kerr Ace Hardware Building Center

711 Chetco Ave.
P.O. Box 4249
Brookings, Or 97415

Phone 469-3139
Fax 469-1853

October 16, 2001

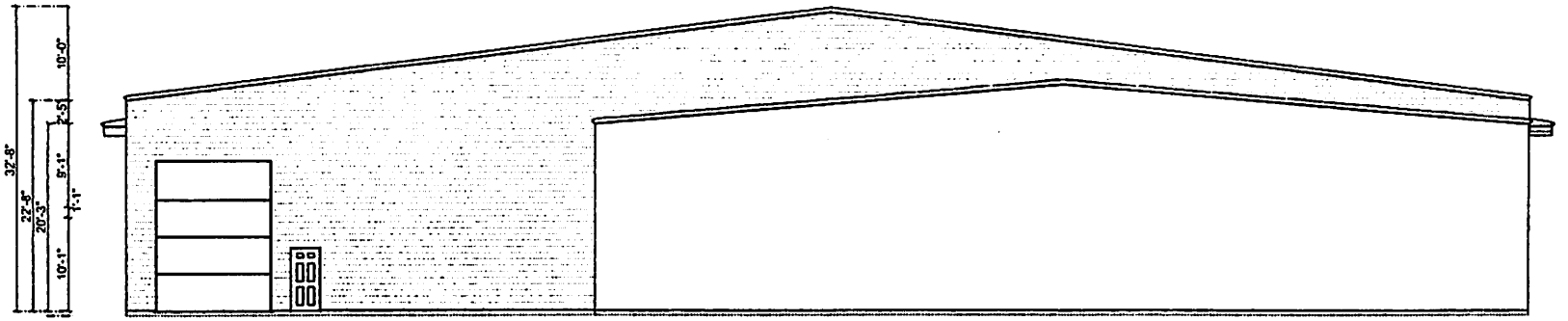
Leroy Blodgett City Manager
City of Brookings
Brookings, Or. 97415

Dear Leroy,

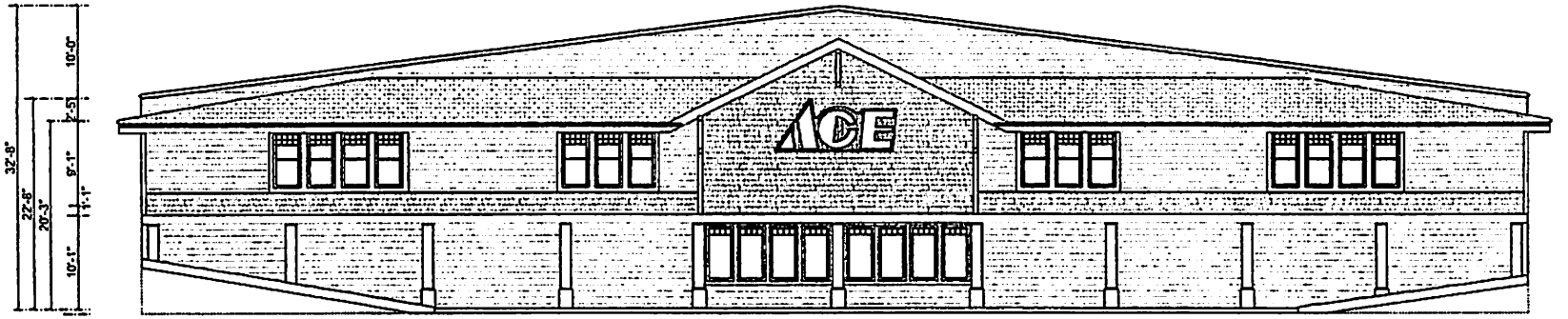
We would like to be placed on the City Council agenda for the Monday October 22nd meeting. As per the enclosed drawing we are asking the Council to grant us a 1 foot easement along the Northwest and Northeast side of our proposed new building. This easement is for the purpose of placing the footing under the sidewalk so we can build right to the property line on those two sides of the building.

Sincerely,

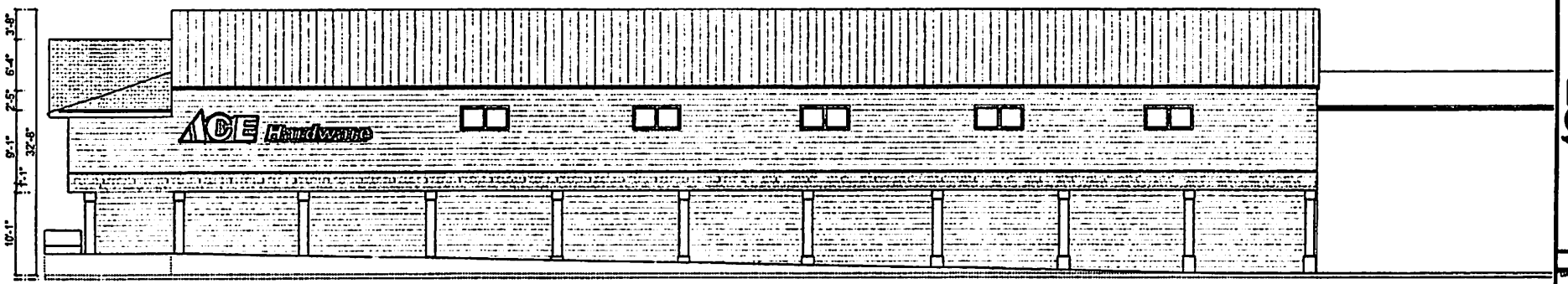
Thomas W. Kerr



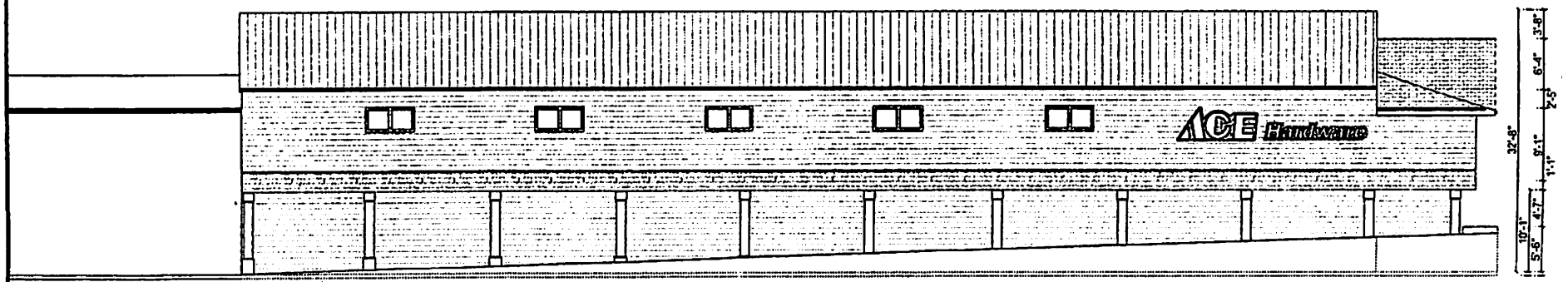
BACK END OF STORE -- SOUTH WEST END



FRONT OF STORE -- NORTH EAST SIDE



NORTH WEST SIDE OF STORE



SOUTH EAST SIDE OF STORE

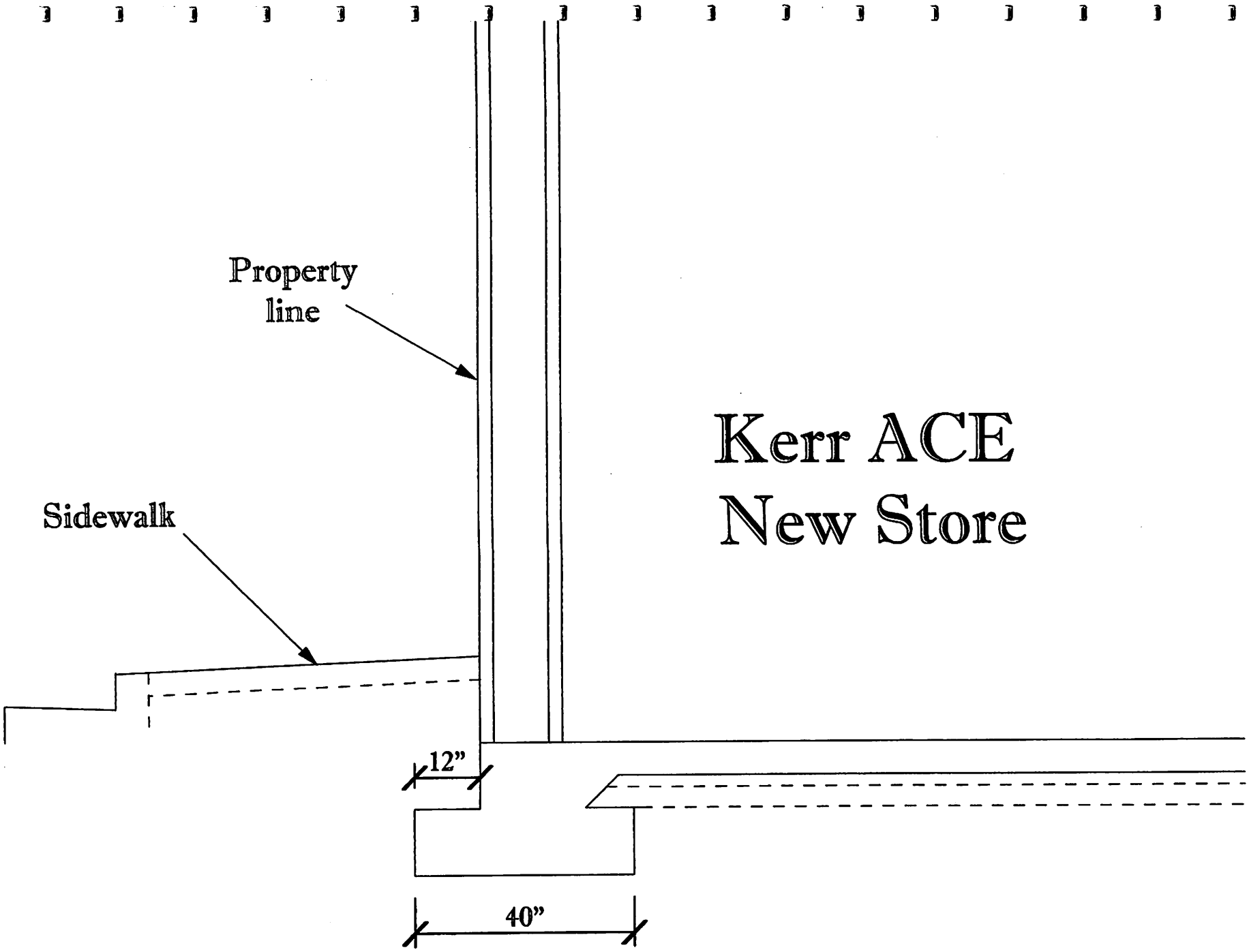
18

DRAWING TITLE
Elevation Plan
Front & Back Elevation

KERR HARDWARE BUILDING CENTER
711 CHECTO AVE. P.O. BOX 4249
BROOKINGS, OR. 97415
541-469-3139

DATE 06/01/01
REVISE DATE October 16, 2001
SCALE 1" = 20'
JOB KERR'S
DRAWN BY DK
1st & ADDITION 21000
2nd FLOOR 5700

2/24


Property
line
Kerr ACE
New Store
Sidewalk
12”
40”

Curry Transfer and Recycling

(541) 469-2425 • Fax (541) 469-1048

Community Pride Clean-up Month – September 2001

Yard Waste and Metal Clean-up Results:

Items Collected	Quantity Collected	Cost per yard	At an approximate Savings to our community
Metal - 350 tons, which equals approx.	1,840 yards	$10.45	$19,228
Yard Waste	450 yards	$10.45	$ 4,702
TOTALS:	**2,290 yards**		**$23,930**

Fall 2000 Clean-up:

Metal - 276 yards
Yard waste 300 yards

Notation:

Yard waste includes curb service

17498 Carpenterville Road • P.O. Box 4008 • Brookings, Oregon 97415

City of Brookings
Community Development Department

Memo

To: Mayor and City Council

From: Leo Lightle, Community Development Director

Date: 10/17/2001

Re: Awarding of contract for true-erosion chlorinator for city swimming pool

---

The city advertised and received bids for a true-erosion chlorinator for the city swimming pool. One bid was received: Emerald Pool in the amount of $2,180.00

Recommendation: The City Council award the contract for a true-erosion chlorinator for the city swimming pool to Emerald Pool, Eugene Oregon, in the amount of $2,180.00.

Q:\Swimming Pool\chlorinator\award of contract.doc

City of Brookings
Community Development Department

Memo

To: Mayor and City Council

From: Leo Lightle, Community Development Director

Date: 10/17/2001

Re: Awarding of contract for purchase of riding lawn mower for Public Works Division

---

The city advertised and received bids for a new riding lawn mower for the Public Works Division. Three bids were received:

Western Equipment Distributors, Inc.	$15,595.00
Midland Implement Co., Inc.	$21,912.00
Turf Equipment & Irrigation, Inc.	$17,999.00

Recommendation: The City Council award the contract for a new riding lawnmower for the Public Works division to Western Equipment Distributors, Inc. in the amount of $15,595.00.

Q:\PUBLCWRK\CALLBIDS\riding lawn mower 2001\award of contract request.doc

Memorandum

TO: Mayor, Council

FROM: William J. Sharp, Fire Chief

THROUGH: Leroy Blodgett, City Manager

DATE: 10-15-2001

Issue: Council Request To Solicit Bids For New Engine

Synopsis:

The City has for some time been working toward the day when we could purchase a new first line structural fire engine. There have been several circumstances that have caused us to delay this. We now feel it is the right time to update our fire equipment and purchase a new engine. The plan that we have addressed is to transfer engine II (74 Mack) to the Upper Chetco Fire Dist. Station, this would then free up room for a new truck in our current station. The 74 Mack would be donated to the Upper Chetco Fire District but would still be available to the City under the current contract for service we have with the District. This gives the City the opportunity to claim the engine as a back-up engine which we need to maintain our ISO rating of 4.
The Upper Chetco Fire District board has approved this plan and has given us a letter stating their agreement with this proposal .
The City has currently saved $270,000 for the purchase of the new engine. The new engine would cost approximately $280,000 plus we would need an additional $50,000 to adequately equip the engine for use (hose, breathing apparatus, nozzles , etc.) .
This makes the total near $330,000 plus the low interest. In order to be able to make the purchase we would need to lease/purchase the engine over a four year period with payments of approximately $22,500 per year with $200,000 down-payment. A proposed example of the lease schedule is enclosed .
The specifications and appropriate documentation are enclosed with your packets.

Recommendation

Council authorize the Fire Department to solicit bids for the purchase of a new engine/pumper and the purchase of accessory equipment for the engine .

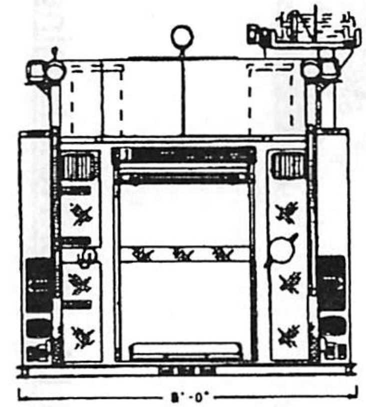
BROOKINGS FIRE
BROOKINGS, OR

1500 GPM HALE QMAX PUMP 1000 GALLON WATER TANK 20 GALLON INTEGRAL FOAM CELL	HOSE LOAD: 200' OF 2 50" DJ 1500' OF 5 00" LDH

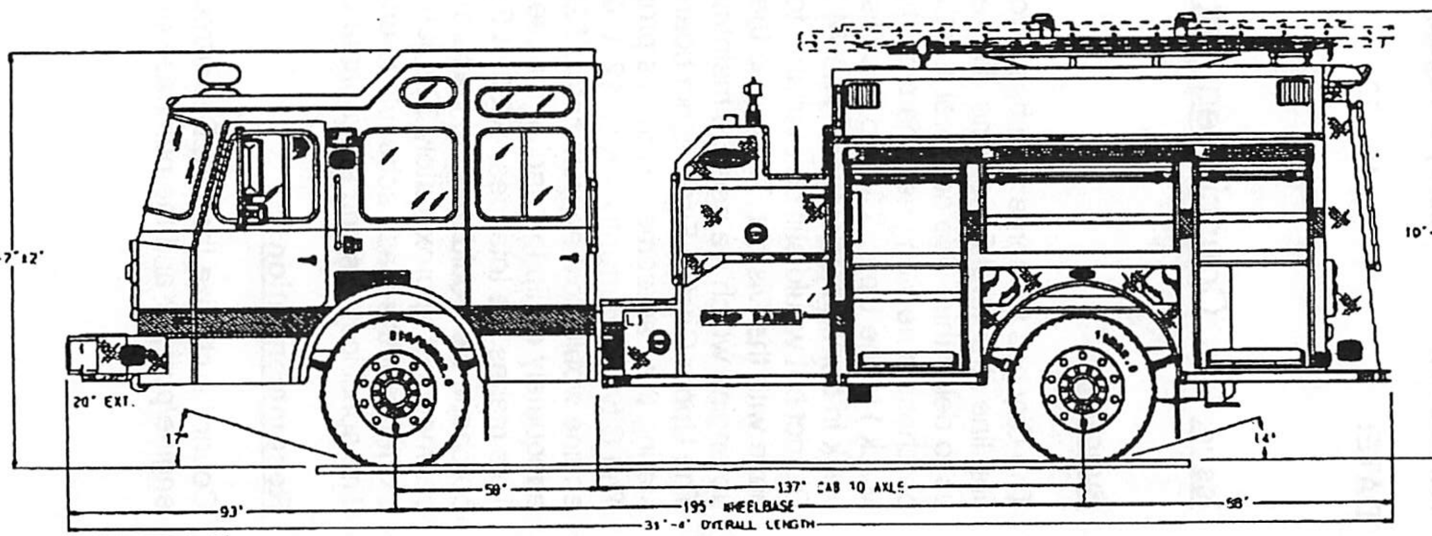
COMPT	OPENING	INTERIOR DIMENSION
L1/R1	15W 17H	18W 17H 14D
L2/R2	32W 51H	[illegible] UPPER / [illegible] LOWER
L3	54W 19H	56W 19H 10D
R3	18W 19H	20W 19H 10D
L4/R4	32W 51H	[illegible] UPPER / [illegible] LOWER
B1	38W 49H	[illegible] UPPER / [illegible] LOWER

THIS DRAWING IS FOR REFERENCE PURPOSES. ALL DIMENSIONS ARE SUBJECT TO MINOR VARIATIONS DUE TO MANUFACTURING PROCESSES

This print is the property of Emergency One, Inc. and is loaned to you subject to return on demand. Unless otherwise agreed to in writing by Emergency One, Inc. its contents are confidential and must not be copied or submitted to third parties for use or information

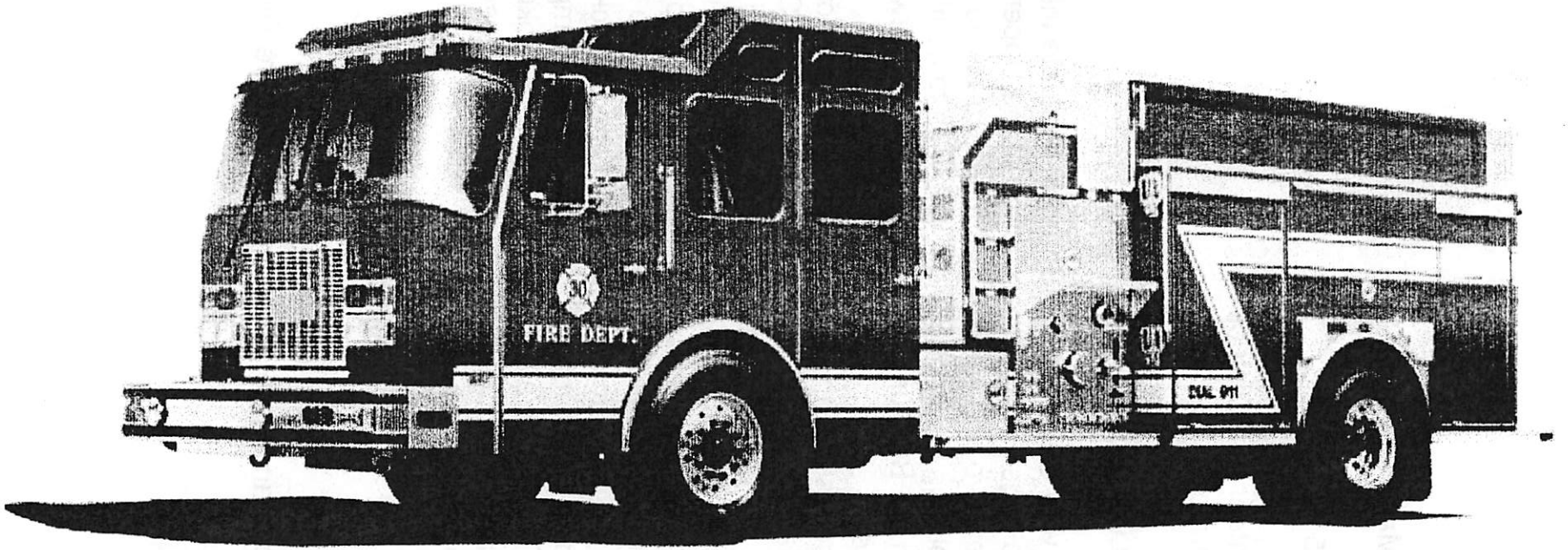


HOSEBED HEIGHT:
(FOR REFERENCE ONLY)
TO TAILBOARD: 84"
TO GROUND: 88"



5-2-97 BCH
SHEET 1 OF 1

Photo example of proposed truck appearance



7-12-2001

City of Brookings , Mayor, Council
898 Elk Drive
Brookings, Or 97415

Upper Chetco Volunteer Fire District.
Chairman, Ken Moore

Transfer of Engine II Pumper

Our recent meeting with Chief William Sharp to evaluate this past years activities of the Brookings Fire Dept. on behalf of the Upper Chetco Vol. Fire Dist. Was informative and we feel that the contract we have for service with the City of Brookings is working well. We wish to continue the contract and association with the Brookings Fire Dept. and look forward to our continued joint success.
Chief Sharp also discussed with us a proposal to transfer ownership of Brookings's 1974 Mack Pumper (Engine II) to the Upper Chetco Dist. And place the pumper in the Upper Chetco's station. We would sell our existing pumper to make room for your truck. We are excited to pursue this proposal and feel that our District's fire protection ability would be greatly enhanced by the addition of this truck to our area. We also understand that by the transfer of this pumper to our Dist. The City of Brookings would continue to benefit by its contract with us as the Mack Pumper can be counted for your ISO rating as a back up pumper for Brookings. We give our support and permission to the City of Brookings to pursue this transfer of equipment for the benefit of both area's.

Sincerly ,

Ken Moore
Chairman, Upper Chetco Volunteer Fire Dist.

Loan Amortization Schedule

Terms

Vehicle Purchase Price:	280,000.00	Year of Lease:	4
Cash Down Payment:	200,000.00	Payments/Year:	1
Trade Allowance:	0.00	Interest Rate:	4.97%
Trade Payoff:	0.00		
Trade Equity:	0.00		
Total Downpayment:	200,000.00		
Amount Financed:	80,000.00		
Guaranteed Trade Value:	0.00		

Payment#	Payment Amount	Interest	Principal	Principal Balance
				280,000.00
Downpayment	200,000.00			80,000.00
1	22,545.23	3,976.00	18,569.23	61,430.77
2	22,545.23	3,053.11	19,492.12	41,938.66
3	22,545.23	2,084.35	20,460.88	21,477.78
4	22,545.23	1,067.45	21,477.78	0.00

Terms & Conditions

1. **Rates are subject to change without notice. Quotes are good for 30 days unless accepted by the customer and a purchase order is placed for the equipment.**
2. **Interest paid by Lessee under the lease agreement must be exempt from federal income taxes.**
3. **Subject to credit approval and documentation drafted/approved by ESL.**
4. **Factors provided are for payment in arrears - the first payment is due one year (in the case of annual payments) or one month (for monthly payments) from the date of delivery. Advance payments (where the first payment is due at delivery) will be quoted upon request.**
5. **Prepayment is permitted without penalty on any annual anniversary of delivery with appropriate notice as provided in the lease agreement.**
6. **Volunteer Fire Departments qualify for tax-exempt financing for the purchase fire apparatus only, and they must comply with IRS requirements (public hearing, approval by local governmental entity, written agreement**

CITY OF BROOKINGS

898 Elk Drive
Brookings, Oregon 97415
Phone (541) 469-2166 x 215
Fax (541) 469-3650
bsharp@brookingsor.org

FIRE AND RESCUE

10-16-2001

All Prospective Bidders

Chief William J Sharp

The City Of Brookings requests your bid for the purchase of a new Custom Structure Engine, 1250 pump, 1000 Gal. Tank, and accessories. The bids should include the option for a lease purchase . The bidders should show and include all pertinent information for the lease purchase of the truck and accessories.
Prospective bidders may bid on the accessory list of equipment or the truck separately.
All exceptions and bidder changes shall be listed and noted on a separate list and identified.
The truck specifications and accessory equipment list are included in this package.
The bids should be mailed in a separate envelope and marked "2001 Fire Apparatus Proposal. They should be addressed to City Recorder, Bev Adams.
The closing date and bid opening will be 11/13/01 at 4 PM in the Brookings Fire Department meeting room.

The City Of Brookings reserves the right to accept or refuse all bids and will review and evaluate all bids based on our own criteria and requirements.

Thank You for your consideration and interest.

BROOKINGS FIRE/RESCUE

Custom Structure Engine, 1250 pump, 1000 Tank

Top Mount Pumper - ISL 370 HP

INTENT OF SPECIFICATIONS

It is the intent of these specifications to clearly describe the furnishing and delivery to the Purchaser, a complete apparatus equipped as specified. The primary objective of these specifications is to obtain the most acceptable apparatus for service in the Fire Department. These specifications cover specific requirements as to the type of construction and tests the apparatus must conform, together with certain details as to finish, material preferences, equipment and appliances with which the successful bidder must conform.

The design of the apparatus must embody the latest approved automotive design practices. The workmanship must be of the highest quality in its respective field. Special consideration shall be given to service access to areas needing periodic maintenance, ease of operation, and symmetrical proportions. Construction must be heavy duty and ample safety factors must be provided to carry loads as specified. The construction method employed will be in such a manner as to allow ready removal of any component for service or repair.

The apparatus shall conform to the National Fire Protection Association Standard for Automotive Fire Apparatus, number 1901, in its most recent edition, unless otherwise specified in this document. Only the specified firefighting support equipment listed in these specifications shall be provided.

The apparatus shall further conform to all Federal Motor Vehicle Safety Standards. No exception.

Each bidder shall furnish satisfactory evidence of their ability to design, engineer and construct the apparatus specified and shall state the location of the factory producing the apparatus. They shall also substantiate they are in a position to render prompt and proper service and to furnish replacement parts for the apparatus.

Each bid must be accompanied by a set of detailed contractor's specifications consisting of a detailed description of the apparatus and equipment proposed. All bid proposal specifications must be in the same sequence as the advertised specification for ease of comparison. These specifications shall include size, location, type, and model of all component parts being furnished. Detailed information shall be provided on the materials used to construct all facets of the apparatus body. Any bidder who fails to submit detailed construction specifications, or who photo copies and submits these specifications as their own construction details will be considered non-responsive and shall render their proposal ineligible for award. No exception.

	Bidder Complies	
	Yes	No
Bids will be addressed and submitted in accordance with the instructions provided on the cover sheet. The words "2001 Fire Apparatus Proposal", the date, and bid opening time shall be stated on the front of the bid envelope. Date - 11/13/01 , Time - 4:30 PM		
It shall be the responsibility of the bidder to assure that their proposal arrives at the location and time indicated. Late proposals, telegrams, facsimile or telephone bids will not be considered. No exception.		
All bidders are required to detail the payment terms for apparatus on the bidder's proposal page. Any required prepayments or progress payments must be explained in detail.		
DELIVERY		
The bidder shall state the time required for delivery of the completed unit on the proposal page. The completed unit shall be delivered to the purchaser with full instructions provided to Fire Department personnel on operation, care and maintenance of apparatus at the purchaser's location.		
EXCEPTIONS		
The following apparatus specifications are considered minimum design and construction standards against which the apparatus will be inspected. It is the intent to receive proposals on equipment/apparatus meeting the attached detailed specifications in their entirety. Any proposals being submitted, without "Full Compliance" with these specifications shall so state on the bid proposal page, followed by a detailed "Letter of Exceptions" listing the areas of non-compliance. The reference must include page number, paragraph, and the exact nature of the exception.		
Failure to follow this format, provided for the convenience of the Purchaser, will render the vendor's proposal non-responsive and ineligible for award of contract.		
The Purchaser may add the statement "No Exception" to a component or design feature in these specifications. In the interest of fleet conformity or specific performance requirements, the Purchaser will not permit exceptions taken to these item(s). The purchaser reserves the right to reject any or all bid proposals and purchase the equipment it deems most suitable to its needs. The purchaser does not, in any way, obligate itself to accept the lowest or any bid. Any bidder taking total exception to the complete specification or a major element will result in immediate rejection of the proposal.		
SINGLE SOURCE MANUFACTURER		
In order to protect the Purchaser from divided warranty responsibility between chassis and body manufacturers, proposals will only be accepted from apparatus builders who design, fabricate, and assemble the complete apparatus at their own facilities. This shall include the cab shell, chassis assembly, and complete body structure. Private labeling of another manufacturer's chassis will not meet the requirements of this section. No exception.		

	Bidder Complies	
	Yes	No

PROPOSAL PRICE

Each bidder's proposal must include all items required in the specifications unless a specific exception is taken. Any bidder who option prices an item included in these specifications that does not specifically require option pricing will have their proposal rejected without further cause.

CERTIFICATE OF INSURANCE

Each bidder shall furnish, with their proposal, a Certificate of Product Liability Insurance for a minimum of ten (10) million dollars. Failure to provide this documentation shall render the proposal non-responsive and the bid shall be rejected.

The Certificate must be made out to the Purchaser and must be original. Submission of a non-original Certificate or a Certificate provided that is not made out to the Purchaser will not meet the requirements of this section.

BID BOND

A bid security in the form of a Bid Bond, cashier's check, or certified check made payable to the Purchaser in the amount of ten percent (10%) of the total bid shall be required. This shall serve as a guarantee which may be forfeited and retained by the Purchaser in lieu of its other legal remedies if a successful bidder's proposal is accepted by the Purchaser and the bidder shall fail to execute and return to the Purchaser the required contract and bonds within ten (10) days after delivery. If a Bid Bond is provided, it shall be issued by a bonding company licensed to bond in this State.

PERFORMANCE BOND

The successful bidder shall provide a Performance bond in the amount of the total contract price to the Purchaser within ten (10) days of contract award. The bond must be underwritten by the bonding company of the apparatus manufacturer. Bonds submitted by the salesperson or agent shall not be accepted. The validity of the bond will be verified by the Purchaser. The bonding company must be licensed to bond in this state. The performance bond must be submitted by the prime contractor and not a subcontractor. No exception.

FINANCIAL STATEMENT

It is the intention of the Purchaser to contract for construction of this apparatus with a manufacturer who is financially sound. In order for us to evaluate the financial stability of each manufacturer, a current Financial Statement and Annual Report shall be provided with the proposal. Failure to submit these documents with the proposal will render the bid unresponsive and ineligible for contract award.

SERVICE REQUIREMENTS

Each bidder shall supply, with their proposal, detailed information on the bidder's ability to perform routine and emergency service on the apparatus after delivery. Detailed information

	Bidder Complies	
	Yes	No

shall be provided on service facilities, personnel, personnel ASE and EVT certification type and level, service vehicles, and the type and nature of repair work the bidder is able to provide. Bidder shall state the number of miles from the Purchaser's facility to the nearest fully staffed repair facility operated by the bidder. It is the intent of the Purchaser to assure that parts and service are readily available for the equipment specified. Service capabilities will be one of the criteria for award of this contract. **No Exceptions**

LEASE-PURCHASE PLAN

For the purpose of dealing with only one (1) vendor who has an on-going interest in maintaining customer satisfaction, a lease-purchase financing proposal shall be provided directly by the manufacturer of the apparatus. The manufacturer shall retain the lease and not sell the lease or assign the payments to a financial institution or other third party. Third party leasing will not be considered by the purchaser and will render the bid non-responsive. An amortization schedule shall be provided with the vendor's apparatus proposal. The length of the plan shall extend 2 years with annual payments due on the anniversary of the apparatus delivery and acceptance. Once the lease contract is signed, the interest rate and lease payment shall remain fixed for the term of the lease. The interest rate shall be locked in at the time the contract for the apparatus is signed. Interest rates and terms shall be one of the criteria for award of this contract.

ISO COMPLIANCE

The manufacturer shall operate a Quality Management System meeting the requirements of ISO 9001. These standards sponsored by the "International Organization for Standardization (ISO)" specify the quality systems that shall be established by the manufacture for design, manufacture, installation and service. A copy of the certificate of compliance shall be included with the bid.

TRUCK DIMENSIONS

OVERALL DIMENSIONS:

Overall Length:	31'6"
Overall Height	10'6"
Wheelbase	195"

FRAME

The frame shall be constructed from channel frame rails, fabricated crossmembers and shall be bolted together using Grade 8 hardware.

Each frame rail shall have the following minimum specifications:

Dimensions:	10-1/4" x 3-1/2" x 3/8"
Material:	110,000 PSI minimum yield, carbon manganese heat treated steel
Section Modulus:	16.61 cu. in.
RBM:	1,827,045 in. lbs.

	Bidder Complies	
	Yes	No

The apparatus manufacturer shall supply a full lifetime frame warranty against defects in materials or workmanship.

BUMPER

The vehicle shall be equipped with a one piece 10" high bumper, made from 10 gauge polished stainless steel and shall incorporate two stiffening ribs. The bumper extension shall be 20" from the face of the cab as required.

The chassis frame extension shall be covered on the top and on each side, up to the front bumper, with 1/8" aluminum diamond plate.

FUEL SYSTEM

A 65 gallon fuel tank shall be provided and mounted at the rear of the chassis. Dual wrap around type straps shall be provided to allow tank removal from below the chassis. The tank shall be of an all welded aluminized steel construction with anti-surge baffles and shall conform to all applicable FHWA 393.65 and .67 standards. The fuel tank shall be equipped with a 2" filler neck, dual fuel pick-up and return lines and a .50" NPT bottom drain plug. A vent shall be provided at the top of the tank and shall have a useable draw of 65 gallons. A mechanical fuel pump shall be provided and sized to meet the engine requirements.

FRONT AXLE/SUSPENSION

The vehicle shall utilize a Meritor FL-941 front axle with a capacity of 16,000#. It shall have "easy steer" knuckle pin bushings and 68.5" kingpin centers. The axle shall be of I-beam construction and utilize grease lubricated wheel bearings.

The front axle shall be furnished with two (2) Monroe heavy-duty, double acting shock absorbers, one (1) each side.

The Vehicle shall have a nominal cramp angle of 45 degrees.

The front axle shall be equipped with 16-1/2" x 6" S-cam brakes with Meritor automatic slack adjusters. Front springs shall be semi-elliptical, minimum 4" wide x 54" long (flat), minimum 9 leaf, constant rate with bronze bushings and a capacity of 16,000# at the ground.

The vehicle shall be equipped with a Sheppard integral full power steering gear. The steering assembly shall be rated to statically steer a maximum of 16,000# without an assist cylinder. Relief stops shall be provided to reduce system pressure upon full wheel cut. The system shall operate mechanically should the hydraulic system fail.

A 5-year/unlimited miles parts and 3 year labor axle warranty shall be provided as standard by ArvinMeritor Automotive.

A 5-year/unlimited miles parts and 3 year labor brake warranty shall be provided as standard by ArvinMeritor Automotive. Warranty shall include bushings, seals, and cams.

	Bidder Complies	
	Yes	No

Front Tires

Front tires shall be Michelin 315/80R 22.5 tubeless type 20 PR radial tires with XZA-1 highway tread mounted on 22.5 x 9.00 aluminum hub-piloted disc wheels. Tires with wheels shall have the following weight capacity:

18,000# @ 65 MPH

REAR AXLE/SUSPENSION

The vehicle shall utilize a Meritor RS-24-160, 24,000 lb. single rear axle with single reduction hypoid gearing, 16-1/2" x 7" Q-Plus S-cam brakes, and Meritor automatic slack adjusters.

The axle shall be equipped with oil lubricated wheel bearings with Meritor oil seals.

The vehicle shall be equipped with a 24,000 lb. capacity Navistar rear suspension. It shall use a variable rate leaf spring assembly with bronze bushings, in conjunction with an auxiliary leaf spring. Springs shall be semi-elliptical in design.

A 5 year/unlimited miles parts and 3 year labor axle warranty shall be provided as standard by ArvinMeritor Automotive.

A 5 year/unlimited miles parts and 3 year labor brake warranty shall be provided as standard by ArvinMeritor Automotive. Warranty shall include bushings, seals, and cams.

Rear Tires

Rear tires shall be Michelin 11R22.5 tubeless type 16 PR radial tires with XZE highway tread mounted on 22.5 x 8.25 hub-piloted aluminum disc wheels. Tires with wheels shall have the following weight capacity:

23,800# (dual) @ 65 MPH

The wheel and tire shall conform to the Tire and Rim Association requirements.

ALUMINUM WHEELS

The vehicle shall have polished aluminum disc wheels. They shall be forged from one-piece corrosion resistant aluminum alloy. Wheels are for use with 315/80R22.5 tires on the front axle only and 11R22.5 tires on the rear axle.

Max frt rating: 18000#

Max rear rating: 11R22.5 - 24,820#

WHEEL TRIM PACKAGE

A wheel trim package consisting of stainless steel lug nut covers and axle hub caps shall be supplied and mounted for the front wheels and a wheel trim package consisting of stainless steel lug nut covers, bright trim rings, axle cover tubes and axle hub caps shall be supplied and mounted for the single axle rear wheels. The interior of the tubes and caps shall be treated with

	Bidder Complies	
	Yes	No

rust preventative paint.

AIR BRAKE SYSTEM

The vehicle shall be equipped with air operated brakes. The system shall meet or exceed the design and performance requirements of current FMVSS-121 and test requirements of current NFPA 1901 Standard.

Each wheel shall have a separate integral brake chamber. A dual treadle valve shall split the braking power between the front and rear systems. Air-lines shall be constructed of color coded nylon tubing routed in a manner to protect from damage. Brass fittings shall be provided. The chassis air system shall be equipped with a Bendix-Westinghouse AD-9 air dryer.

The air system shall be provided with a rapid build-up feature, designed to meet current NFPA 1901 requirements. A 1'4" brass quick release air inlet with male connection shall be located inside the driver door on the left side of the cab. The inlet shall allow a shoreline air hose to be connected to the vehicle, discharging into the wet tank.

A pressure protection valve shall be installed to prevent use of air horns or other air operated devices should the air system pressure drop below 80 psi.

Two (2) air pressure needle gauges, for front and rear air pressure, with warning light and buzzer shall be installed at the driver's instrument panel.

Air Tank Reservoirs

The system shall be provided with a total of (3) reservoirs for a total air system capacity of 5214 cu.in. One reservoir shall serve as the wet tank and a minimum of one (1) tank shall be supplied for each of the front and rear axles. The total system shall carry a sufficient volume of air to comply with FMVSS-121.

Tank Sizes in Cubic Inches

Suspension	Wet	Front	Rear	Total
22-31K	1738	1738	1738	5214

An automatic drain valve shall be installed on the wet tank. All other tanks shall be equipped with manual drain valves.

Emergency/Parking Brake

Spring actuated emergency/parking brakes shall be installed on the rear axle. One (1) Bendix-Westinghouse PP-1 parking brake control shall be supplied on the lower dash panel within easy reach of the driver.

Bendix-Westinghouse SR-1 valve, in conjunction with a double check valve system, shall provide automatic spring brake application at 40 psi.

7

	Bidder Complies	
	Yes	No

ABS Braking System

A Wabco ABS system shall be provided to improve vehicle stability and control by reducing wheel lock-up during braking. This braking system shall be fitted to axles and all electrical connections shall be environmentally sealed, water, weather and vibration resistant.

The system shall constantly monitor wheel behavior during braking. Sensors on each wheel transmit wheel speed data to an electronic processor, which shall sense approaching wheel lock and instantly modulate brake pressure up to 5 times per second to prevent wheel lock-up. Each wheel shall be individually controlled. To improve field performance, the system shall be equipped with a dual circuit design. The system circuits shall be configured in a diagonal pattern. Should a malfunction occur, that circuit shall revert to normal braking action. A warning light at the driver's instrument panel shall signal malfunction to the operator.

The system shall consist of a sensor clip, sensor, electronic control unit and solenoid control valve. The sensor clip shall hold the sensor in close proximity to the tooth wheel. An inductive sensor consisting of a permanent magnet with a round pole pin and coil shall produce an alternating current with a frequency proportional to wheel speed. The unit shall be sealed, corrosion-resistant and protected from electro-magnetic interference. The electronic control unit shall monitor the speed of each wheel sensor and a microcomputer shall evaluate in milliseconds wheel slip. A deviation shall be corrected by cyclical brake application and release. If a malfunction occurs, the circuit shall signal the operator and the malfunctioning half of the system shall shut down. The system is installed in a diagonal pattern for side to side control. The system shall insure that each wheel is braked in optimum efficiency up to 5 times a second.

The system shall also interface with the application of the auxiliary engine, exhaust or driveline brakes to prevent wheel lock.

To improve service trouble shooting, provisions in the system for an optional diagnostic tester shall be provided. The system shall test itself each time the vehicle is started and a dash mounted light shall go out once the vehicle is moving above 4 mph.

Warranty

A 3 year/300,000 miles parts and labor Anti-Locking Braking System (ABS) warranty shall be provided as standard by Meritor Automotive.

POWER TRAIN

Engine

The vehicle shall utilize a Cummins ISL electronic engine as described below:

- 370 gross BHP @ 2000 RPM
- Interact System (ISL) turbocharged
- Charge air cooled 4-cycle diesel

8

	Bidder Complies	
	Yes	No

- Six (6) Cylinder
- 540 cu.in. displacement
- Peak torque of 1200 lb. ft. at 1300 RPM
- Engine shall be equipped with Full-Authority Electronics
- Electronic Timing Control fuel system
- Integrated water separator and water-in-fuel sensor
- Bore and stroke shall be 4.49 x 5.69
- Compression ratio shall be 16.6:1
- Engine lubrication system, including filter, shall have a minimum capacity of 25 quarts
- 12 volt starter
- Cummins 18.7 cubic foot per minute air compressor

The engine exhaust system shall not require a catalytic converter to meet EPA requirements. The exhaust shall be 4" diameter and shall exit on the right side of the vehicle ahead of the rear wheels.

A 5 year/100,000 miles parts and labor warranty shall be provided as standard by Cummins.

A copy of the Engine Installation Review stating the engine installation meets Cummins recommendations shall be provided. The engine installation shall not require the operation of any type of "power-down" feature to meet engine installation tests.

Engine Compression Brake

A Jacobs engine compression brake shall be installed to aid in slowing and controlling the vehicle. An off/on control switch shall be mounted in the cab. This shall transform the engine into a low-pressure air compressor, driven by the wheels, and the horsepower absorbed by the engine shall slow the vehicle.

When in use, the engine brake shall be automatically applied whenever the accelerator is in the idle position. When the throttle is depressed, the engine brake shall immediately release.

Transmission

The vehicle shall utilize an Allison MD3066P, electronic, 5-speed automatic transmission.

There shall be an Allison WTEC3 Pushbutton Shifter Head module located right side of the steering column, within easy reach of the driver. The shift position indicator shall be indirectly lit for after dark operation. The shift module shall have a "Do Not Shift" light and a "Service" indicator light. The shift module shall have means to enter a diagnostic mode and display diagnostic data. A transmission temperature gauge with warning light and buzzer shall be

	Bidder Complies	
	Yes	No
installed on the cab instrument panel.		
The transmission shall have a net input torque rating of 1000 lb. ft. and a net input power rating of 360 HP.		
The gear ratios shall be as follows:		
1 - 3.49		
2 - 1.86		
3 - 1.41		
4 - 1.00		
5 - .75		
R - 5.03		
The transmission shall be equipped with a fluid level sensor (FLS) system, providing direct feedback of transmission oil level information to the operator.		
It shall have a lubricant capacity of 29 quarts.		
A transmission oil cooler shall be provided in the lower tank of the radiator.		
The transmission shall contain two engine driven PTO openings located at the 4 and 8 o'clock positions. The automatic transmission shall be equipped with a power lock-up device. The transmission lock-up shall prevent down shifting of transmission when engine speed is decreased during pump operations, thereby maintaining a constant gear ratio. Transmission lock-up shall be automatically activated when placing pump in gear. Transmission lock-up shall be automatically deactivated when disengaging pump for normal road operation.		
A 2 year/unlimited miles parts and labor warranty shall be provided as standard by Allison Transmission.		
Driveline		
Drivelines shall have a heavy duty metal tube and shall be equipped with Spicer 1710HD universal joints to allow full transmitted torque to the axle. Drive shafts shall be axially straight, concentric with axis and dynamically balanced.		
COOLING SYSTEM		
The cooling system shall have a tube and fin radiator with a minimum of 1070 square inches of frontal area. The radiator shall have (5) five rows of brass tubes, 14 copper fins per inch and bolted steel top and bottom tanks. The system shall include a minimum of 628 square inch frontal area charge air cooler. The charge air cooler core shall b 2.62" deep with 14 fins per inch.		

	Bidder Complies	
APPARATUS CAB	Yes	No

The vehicle shall have an all welded aluminum, fully enclosed tilt cab designed exclusively for the fire service. The cab shall be of the open interior design allowing for easy communication inside the cab.

Cab Crashworthiness Requirement

The apparatus cab shall meet and/or exceed relevant load and impact tests required for compliance certification with ECE Regulation No. 29, Addendum 28, Revision 1, "Uniform Provisions Concerning the Approval of Vehicles with Regard to the Protection of the Occupants of the Cab of a Commercial Vehicle."

As part of this test (Regulation No. 29), a pendulum weight of 3,700-lbs shall strike the apparatus cab with a frontal impact. The pendulum weight shall have been released from approximately 9-feet above its center of gravity, imparting over 32,500-ft. pounds of energy into the cab. This event shall simulate a 3,700-lb. vehicle hitting the cab at approximately 16 mph. Upon completion, there shall be minimal to no intrusion into the cab's passenger space. Moreover, the cab doors shall be capable of opening readily.

A copy of a certificate or letter verifying minimum compliance to Regulation No. 29 by an independent licensed professional engineer shall be provided upon request.

In terms of exceeding the requirements of Regulation No. 29, the apparatus cab shall be capable of withstanding with minimal intrusion to the occupant area, the following tests:

1. The apparatus cab shall have been submitted to a static cab roof load test exceeding Regulation No. 29. With minimal deformation or intrusion, the cab structure shall withstand a load of 54,300-lbs. - exceeding Regulation No. 29 by two and half times the required amount.

For any or all of the above tests, the cab manufacturer shall provide either photographs or video footage of the procedure upon request.

Aluminum Construction

The tilt cab shall be constructed from 3/16" 3003 H14 aluminum alloy sheet and 6061-T6 aluminum extruded subframe, wall supports and roof bows. An extruded modular aluminum cab is required due to the high strength to weight ratio of aluminum, corrosion resistant cab structure, easy damage repair, and lighter overall cab weight for increased payload carrying capacity.

The cab shall be contoured, each front corner having a minimum 9" outer radius. A roll cage effect shall be created using construction techniques utilizing dual 3 x 3 x .188 wall 6061-T6 aluminum upright extrusions centrally located connecting the 3 x 3 x .375 wall roof cross brace to the 3 x 3 x .187 wall subframe structure. An interlocking framework shall be constructed from extrusions electrically seam welded internally at each joint using aluminum alloy welding wire.

The roof perimeter shall be constructed of a 4 x 6-5/8 wide 6061-T6 aluminum extrusion with

	Bidder Complies	
	Yes	No

an integral drip rail. Cast aluminum corner joints welded to aluminum 6061-T6 extrusions shall be used to ensure structural integrity.

The cab roof shall be constructed from 3/16" 3003 H14 aluminum tread plate to provide a long lasting, damage resistant surface.

Cab Exterior

The exterior of the cab shall be 94" wide x 130" long. The cab roof shall be approximately 101" off the ground. The back of cab to front axle length is 58".

Fenderette trim shall be brushed aluminum. The bolt in wheel well liner shall be constructed of 3/16" composite material to provide a maintenance free, damage resistant surface.

A large cooling air intake manufactured out of perforated stainless steel with an open area of no less than 77% shall be at the front of the cab. The grille shall be supported by an impact resistant ABS frame. Side air intakes shall be provided for additional air flow and shall include polished stainless steel grill.

The cab windshield shall be of a two piece design with a 1/4" thick curved, laminated safety glass with 75% light transmittance automotive tint. A combined minimum viewing area of 2800 sq. in. shall be provided.

Stationary side windows with 75% light transmittance safety automotive tint and a minimum viewing area of 600 sq. in. shall be provided between the front and rear doors.

Cab door assist handrails shall consist of four (4) 1.25" diameter x 18" long 6063-T5 anodized aluminum tubes mounted between chrome stanchions directly behind the door openings, two each side of the cab. The handrail shall be machine extruded with an integral ribbed surface to assure a good grip for personnel safety. Handrails shall be installed between chrome end stanchions at least 2" from the mounting surface to allow for access with a gloved hand.

Cab Tilt

The cab shall be independently mounted from the body and chassis on two (2) forward pivoting points, two (2) rubber load bearing cushions, centrally located one each side and two (2) combination rubber shock mounts and cab latches.

An electric over hydraulic cab lift system shall be provided consisting of dual large diameter telescoping hydraulic lift cylinders. A frame mounted electric over hydraulic pump shall be provided for cylinder actuation. Safety flow fuses shall be provided for the hydraulic lift cylinders in case of hydraulic failure. The hydraulic pump shall have a manual override for backup in the event of electrical failure. Lift controls shall be located in a compartment to the rear of the cab on the right side of the apparatus. A parking brake interlock shall be provided to prevent tilting of the cab unless the parking break is set.

The entire cab shall be tilted through a 40 degree arc to allow for easy maintenance of the engine, transmission and engine components. A positive release safety latch shall be provided to lock the cab in full tilt position. The cab shall be locked down by a two-point automatic spring-loaded hook mechanism that actuates after the cab has been lowered. A cab ajar indicator light

	Bidder Complies	
	Yes	No

shall be provided on the instrument panel to indicate when the cab is not locked into position.

Cab Interior

The interior of the cab shall be of the open design with an ergonomically designed driver area that provides ready access to all controls as well as a clear view of critical instrumentation.

The engine cover between the driver and the officer shall be of a low rise contoured design to provide sufficient seating room for the driver and the officer. The engine cover shall blend in smoothly with the interior dash and flooring of the cab. An all aluminum subframe shall be provided for the engine cover. The overall height of the engine enclosure shall not exceed 23" from the floor at each side and 28" in the center section. The engine cover shall not exceed 41" in width at its widest point.

The rear portion of the engine cover shall be provided with a lift up cover for checking and filling transmission fluid, power steering and engine oil levels without raising the cab. Engine cover insulation shall consist of an internal heat resistant Mylar backed 1" foam. Externally, a damage resistant, maintenance free cover, constructed from a composite material with heat resistant backing, shall be provided to reduce engine noise and heat from entering the cab interior. The cover shall be the same color as other interior padding. The engine cover noise insulation shall be in addition to cab wall and ceiling insulation to ensure the dba level for the cab interior are within the limits stated in accordance with NFPA 1901 10-1.3.

All cab floors shall be constructed of 3/16" aluminum smooth plate with a black rubber floormat. The floormat shall provide an aggressive slip-resistant surface in accordance with current NFPA 1901.

A minimum of 56.75 of floor to ceiling height in the front of the cab and 55.25" floor to ceiling height in the rear of the cab shall be provided. A minimum of 40" of seated headroom shall be provided over each fenderwell.

Floor area for the driver shall be no less than 22.5" side to side by 18.5" front to rear. The floor area for the officer shall be no less than 17.5" side to side by 22.5" front to rear.

Aluminum diamond plate battery access covers shall be installed, each side, in the rear cab floor to provide access to the batteries without tilting the cab. The battery access shall be located as such to provide access while standing on the ground.

The rear wall of the cab shall be constructed of 3/16" bright aluminum tread plate with the diamonds on the exterior to provide added durability. Structural extrusions shall be used to reinforce the rear wall.

Exposed, interior metal surfaces shall be pretreated using a corrosion prevention system and painted with a textured paint.

The interior of the cab shall be insulated to ensure the dba level for the cab interior are within the limits stated in accordance with NFPA 1901 10-1.3. The insulation shall consist of a 2 oz. wadding and 1/4" foam padding. The padding board shall be backed with 0.25" thick reflective insulation. The backing shall be spun woven polyester. Interior cab padding shall consist of rear

	Bidder Complies	
	Yes	No
cab headliner, the rear wall of the cab, and side panels between the front and rear cab doors.		
The dash, overhead console, windshield posts, headliner, door panels, and door post trim shall use thermoformed panels to provide excellent scuff and abrasion resistance - including chemical stain resistance. The thermoformed material shall comply with Federal Motor Vehicle Safety Standard 302 for flammability of interior materials.		
The vehicle shall use a 7-position tilt and telescopic steering column for various size operators. An 18" padded steering wheel with a center horn button shall be provided.		
A full width overhead console shall be mounted to the cab ceiling for placement of siren and radio heads. The console shall be thermoformed and shall have easily removable mounting plates. Padded sun visors shall be provided for the driver and officer.		
Three-point, retractable seat belts shall be provided for all seating positions. Signs shall be provided that read "Occupants must be seated and belted when the apparatus is in motion" and shall be visible from each seated position. A label that states the number of personnel the vehicle is designed to carry shall be located in an area visible to the driver.		
A storage area, with a hinged access door, shall be provided below the driver and officer seats. The driver side compartment shall be approximately 20" x 12" x 3.5"H and the officer side compartment shall be approximately 20.25" x 22.75" x 11" high. A storage area, shall be provided in front of the officer's position recessed into the dash area.		
The front cab steps shall be a minimum of 8" deep x 18" high. The rear cab steps shall be a minimum 12" deep x 20.5" high and shall incorporate an intermediate step for easy access. Front steps shall be approximately 24" wide. Rear steps shall be approximately 23" wide. Steps are to be located inside the door sill, out of inclement weather. The step surface shall be aluminum diamond plate with a multi-directional, aggressive gripping surface incorporated into the aluminum diamond plate in accordance with current NFPA 1901.		
A black rubber grip handle shall be provided on the interior of each front door below the door window to insure proper hand holds while entering and exiting the cab. A black rubber grip handle shall be provided on the left and right side windshield post for additional handholds.		
Front cab door openings shall be approximately 36" wide x 68.5" high and the rear cab door openings shall be approximately 33.75" wide x 70" high.		
<u>Cab Doors</u>		
Four (4) side opening cab doors shall be provided. Doors shall be constructed of 3/16" aluminum outer sheet material with aluminum extruded inner framework.		
The inner door panels shall be thermoformed for increased durability and sound deadening. The cab door panels shall incorporate an easily removable panel for access to the latching mechanism for maintenance or service. A molded interior map pocket shall be incorporated into the door panel. The doors shall be securely fastened to the doorframe with a full-length stainless steel piano hinge, with a 3/8" pin, bolted in place. For effective sealing, an extruded rubber gasket shall be provided on the perimeter of all doors.		
14		

	Bidder Complies	
	Yes	No
Interior stainless steel paddle style latches shall be provided with exterior "L" type handles. Interior door handles shall be designed and installed to protect against accidental or inadvertent opening. An aluminum bright finish tread plate scuff panel shall be provided at the base of every door extending from the bottom of the door to approximately 4" above the floor line at the front doors and approximately 8.5" above the floor line at the rear doors. The front door windows shall provide a minimum viewing area of 530-sq. in. each. The rear door windows shall provide a minimum viewing area of 500-sq. in. each. Windows shall have 75% light transmittance automotive safety tint. Full roll down windows shall be provided for the front cab doors with worm gear drive cable operation. Scissors or gear-and-sector drive shall not be acceptable. Rear cab doors shall be provided with side sliding windows. <u>Interior Lighting</u> Interior cab lighting shall include four (4) individually switched lights in the ceiling, two (2) front and two (2) rear. The lights shall be a dual light head design with one light providing a white light and the second light providing a red light for night time use. Four (4) step lights shall be integrated into the cab doors to provide step lights as well as ground illumination. Cab ceiling lights and step lights shall be wired through the door ajar switch to provide interior lighting when battery power is on and the cab door is opened. An engine compartment light with a switch shall be installed to illuminate the engine compartment <u>Cab Instruments and Controls</u> Pantograph style wipers with separate electric motors shall be provided. They shall be wet arm type with a 1 gallon reservoir, intermittent wipe function and integral wash circuit. Wiper arm length shall be approximately 28" and the blade length approximately 20". Each motor shall have a 70 degree sweep. An in-dash mounted heater and defroster with a capacity of a minimum 42,000 BTU/hr and all necessary controls shall be mounted in the cab. The air flow system shall consist of three levels, defrost, cab and floor, and shall have fresh air and de-misting capabilities. Cab instruments and controls shall be located on the cab instrument panel. Gauges and emergency warning light switches shall be installed in removable panels for ease of service. The following gauges and controls shall be provided: • Speedometer/Odometer • Tachometer with integral hourmeter • Engine oil pressure gauge with warning light and buzzer • Engine water temperature gauge with warning light and buzzer • Dual needle air pressure gauge with warning light and buzzer		

	Bidder Complies	
	Yes	No
• Fuel gauge		
• Voltmeter		
• Master battery switch/ignition switch (rocker with integral indicator)		
• Starter switch/engine stop switch (rocker)		
• Heater and defroster controls with illumination		
• Marker light/headlight control switch with dimmer switch		
• Self canceling turn signal control with indicators		
• Windshield wiper switch with intermittent control and washer control		
• Master warning light switch		
• Transmission oil temperature gauge		
• Air filter restriction indicator		
• Pump shift control with green "pump in gear" and "o.k. to pump" indicator lights		
• Parking brake controls with red indicator light on dash		
• Automatic transmission shift console		
• Electric horn button at center of steering wheel		
Instrument controls and switches shall be identified as to their function by backlit wording adjacent to each switch, or indirect panel lighting adjacent to controls.		
Electrical System		
The chassis system shall have a centrally located electrical distribution area. All electrical components shall be located such that standard operations shall not interfere with or disrupt vehicle operation. An automatic thermal reset master circuit breaker compatible with the alternator size shall be provided. Automatic reset circuit breakers shall be used for directional lights, cab heater, battery power, ignition and other circuits. An access cover shall be provided for access to the electrical distribution area.		
A 10 place, constantly hot, fuse panel and ground for customer installed radios and chargers shall be provided at the electrical distribution area. Radio suppression shall be sufficient to allow radio equipment operation without interference.		
All wiring shall be mounted in the chassis frame and protected from water and heat. Wiring shall be color coded and functionally labeled every 3 inches on the insulation. The wiring harness shall conform to SAE 1127 with GXL temperature properties. Any wiring connections exposed to the outside environment shall be weather resistant. All harnesses shall be covered in a loom that is rated at 280 degrees to protect against damage.		
16		

	Bidder Complies	
	Yes	No

A Vehicle Data Computer (VDC) shall be supplied within the electrical system to process and distribute engine and transmission Electronic Control Module (ECM) information to chassis system gauges, message center, and related pump panel gauges. Communication between the VDC and chassis system gauges shall be through a 4-wire multiplexed communication system to ensure accurate engine and transmission data is provided at the cab dash and pump. The VDC shall be protected against corrosion, excessive heat, vibration, and physical damage.

Dual rectangular sealed beam halogen headlight shall be installed on each front side of the cab, mounted in a polished chrome plated bezel.

The low beam headlights shall activate with the release of the parking brake. The headlight switch shall automatically override low beams for normal operation.

The apparatus shall have sufficient lights to properly illuminate step areas. Ground area lights shall be provided for each cab door and one each side under the front bumper area. Areas under the driver and crew area exits shall be activated automatically when the exit doors are opened. Ground area lights shall be switched from the cab dash with the work light switch.

MIRRORS

Two (2) Ramco model 6001FFR remote controlled polished aluminum mirrors shall be installed. The mirrors shall incorporate a full face main section with a convex mirror with housing , model CAS750, mounted to the top . The adjustment of main sections shall be through dash mounted switches

SEATING

All seat positions shall have retractable 3-point lap and shoulder harnesses, providing additional safety and security for personnel. Extensions shall be provided with the seat belts so the male end can easily grasped and the female end easily located while sitting in a normal position.

Seats, Inc. 911 air suspension seat shall be supplied for the driver's position.

Features shall include:

- Universal styling
- High back seat back
- Low profile air suspension assembly with rubber accordion cover
- Weight, height and ride adjustment
- Built-in back and lumbar adjustment
- 4" fore and aft adjustment

Three (3) Seats, Inc. 911 Universal SCBA seats shall be supplied. One (1) shall be located for the front officer's position and two (2) rear facing, one each side of the engine enclosure. The SCBA seats shall include an easy exit, flip up, split headrest for improved exit with SCBA.

17

	Bidder Complies	
	Yes	No
The driver and officer seats shall be mounted on aluminum seat risers. Each seat riser shall include a storage area with a vertically hinged side access door below the seat.		

REAR WALL SEATING

Two (2) Seats, Inc. 911 universal SCBA seat backs and a single bench style bottom cushion shall be provided and shall be located centered on the rear cab wall. The bench cushion shall be constructed of high density foam with a heavy duty, wear resistant material. The SCBA seat back shall include an easy exit, flip up, split headrest for improved exit with SCBA.

The seat shall be mounted on an aluminum seat riser. Each side of the seat riser shall be angled, providing sufficient leg room when entering or exiting the cab.

Two (2) fold-down jump seats shall be provided on the rear cab wall, facing forward. The seats shall be located outboard of the rear wall bench seat.

The seat bottom cushion shall be constructed of high density foam with a heavy, wear resistant covering and shall fold up automatically when not in use to provide increased room in the rear of the cab.

The rear wall seating shall have retractable 3-point lap and shoulder harnesses, providing additional safety and security for personnel. Extensions shall be provided with the seat belts so the male end can be easily grasped and the female end easily located while sitting in a normal position.

AIR PACK BRACKETS

Each 911 SCBA seat back shall include an air pack bracket constructed in such a way to securely hold a 7-1/4" diameter breathing air bottle. The bracket shall have two (2) spring steel bottle retainer clips coated with a resilient finish to help reduce scratching of bottle finish. The bracket shall be supplied with a 1" wide safety strap with quick release fastener

GRAY INTERIOR

Cab instrument panel, overhead console, trim panels, headliner, and door panels shall be gray.

SEAT COLOR AND MATERIAL

All seat cushions in the cab shall be manufactured by 911 Seats Incorporated and will be upholstered with a FVSS/302 flame retardant, water repellant and wear resistant black and gray tweed Imperial 1200 fabric.

VISTA ROOF

The rear portion of the cab roof shall be raised 12". This will provide at least 5'-7½" standing room. The front of the vista hood shall be sloped at 45 degrees from the vertical. The slope shall begin slightly in front of the centerline of the front axle to leave room for warning lights and air conditioning in front of the vista. The main roof extrusion shall extend up into the vista to strengthen the roof perimeter. Windows shall be provided on front, side, and rear unless

	Bidder Complies	
	Yes	No

otherwise specified.The rear door shall have an 85" vertical dimension for improved ingress/egress characteristics. The door shall be equipped with a dual striker bolt system.

MUDFLAPS

Black hard rubber mudflaps shall be installed on the rear of the cab front wheelwells. They shall be ½" thick spray suppressant rubber.

AIR CONDITIONING

An overhead air-conditioner system with condenser shall be supplied.

The unit shall be mounted to the cab interior headliner in a mid cab position, away from all seating positions. The unit shall provide ten (10) comfort discharge louvers, four (4) to the back area of the cab and six (6) to the front. Two (2) of the front louvers shall be damper controlled to provide de-misting capabilities of the front windshield as necessary.

The unit shall consist of a high output evaporator coil with two (2) high output dual blowers.

The control panel shall actuate the air-distribution system with air cylinders, which are to be separated from the brake system by an 85-90 psi pressure protection valve. A three-speed blower switch shall control air speed. Airflow is to be approximately 730 cfm from the louvers and a BTU output of 48,000.

The radiator-mounted condenser shall include a remote mounted receiver/drier with moisture indicator. The heat rejection capacity shall be 50% greater than the evaporator capacities when measured in accordance with SAE J1487 (Rating Air Conditioner Evaporator Air Delivery and Cooling Capacities). The condenser shall be rated at 60,000 BTU, and shall not exceed 300-PSI discharge pressure. The compressor shall be a ten-cylinder swash-plate type Seltec model TM-31HD with a capacity of 19.1 cu.in. per revolution.

ALTERNATOR

There shall be a 310 Amp Leece Neville alternator installed as specified. The alternator shall be a 265 amp per NFPA 1901 rating (310 amp per SAE J56), Leece Neville 178 series brushless type with internal rectifier. The unit shall have an adjustable remote mounted solid state voltage regulator.

BATTERIES

Six (6) heavy duty12 volt maintenance free batteries shall be supplied. The batteries shall be Group 31 size with a rating of 950 cold cranking amp's @ 0 degree F and 205 minutes of reserve capacity with 3/8-16 thread stud terminals.

Batteries shall be placed on non-corrosive mats and stored in well-ventilated locations. Batteries shall be secured with hold down brackets. Batteries shall have a warranty of twelve (12) months that shall commence upon the date of delivery of the apparatus.

	Bidder Complies	
	Yes	No

WARNING BEZELS

A combination turn signal and front warning light shall be provided. The amber turn signal shall be a 6" x 4" sealed beam halogen light. The front warning light shall be as specified by the customer and shall be included as part of the NFPA lower level warning package.

The lights shall be installed in a polished chrome plated bezel located above the headlights.

APPROVAL DRAWINGS

A general arrangement drawing depicting the vehicle's appearance shall be provided. The drawing shall consist of left side, right side, front and rear elevation views. Vehicles requiring pump controls shall include a general arrangement view of the pump operator's position, scaled the same as the elevation views.

The customer shall provide signed approval of the drawing prior to order release to production.

HOSE TRAY

A hose tray capable of holding 50 feet of 2-1/2"double jacket hose, constructed of 1/8" smooth aluminum, shall be recessed into the front bumper extension. Aluminum slats shall be included in the bottom of the hose tray. A diamond plate lid with stainless steel hinge shall be installed and held in place with a quarter turn latch.

FRONT TOW HOOKS

Two (2) heavy duty painted front tow hooks shall be securely attached to the front chassis frame rails to allow towing (not lifting) of the apparatus without damage.

AIR HORNS

Dual air horns shall be provided, connected to the chassis air system. The air horns shall be mounted through the front bumper. The bumper shall have two (2) holes punched to accommodate the horns. A pressure protection valve will be installed to prevent the air brake system from being depleted of air pressure. The air horns shall be activated by foot switches installed for the driver and officer.

REAR MUDFLAPS

Black hard rubber mudflaps shall be installed on the rear body wheel wells.

REAR TOW EYES

Two (2) tow eyes made of 3/4" thick steel having 2.5" diameter holes shall be mounted below the frame at the rear of the vehicle to allow towing (not lifting) of the apparatus without damage. The tow eyes will be welded to the lower end of a 5" steel channel that is bolted to the frame

	Bidder Complies	
	Yes	No

BATTERY CHARGER-E-ONE

A 20 amp battery charging system shall be installed and connected directly to the shoreline. The system shall provide a signal if battery voltage drops below 11.5 volts. The microprocessor shall be continuously powered from the battery to provide charge status. Equalization charge shall only occur when necessary, not with every cycle. The system shall fully charge batteries while allowing up to 8 amps of parasitic load.

The shoreline connection and remote charge indicator panel shall be located outside of the cab at the driver door area.

APPARATUS BODY

The apparatus body shall be constructed entirely of aluminum extrusions with interlocking 0aluminum plates. An extruded modular aluminum body is required due to the high strength to weight ratio of aluminum, corrosion resistant body structure, easy damage repair, and lighter overall body weight to allow for increased equipment carrying capacity.

The interlocking framework shall be constructed from beveled 6061T6 and 6063T5 extrusions electrically seam welded both internally and externally at each joint using aluminum alloy welding wire. All horizontal surfaces, running boards, and the rear body surface shall be constructed from aluminum fire apparatus quality diamond plate.

Each body corner shall be a 3.5" x 8.75" aluminum 6063T5 alloy extruded corner section with 3/16" wall thickness and shall be welded as an integral part of the body. Horizontal body side extrusions shall be a 1.5" x 4" 6063T5 aluminum tube with 3/16" wall thickness and 3/16" outside corner radius.

Slanted beavertails shall be provided at the rear of the body and shall be a part of the body framework and give added support to the rear tailboard. The beavertails shall be constructed of formed 1/8" diamond plate trim with removable outside panels for access to internal wiring and bolt-on accessories.

The wheel well frame, constructed from 1.5" x 4" 6063T5 aluminum extrusions shall be slotted the full length to permit an internal fit of 1/8" aluminum diamond plate. The wheel well trim shall be constructed from 6063T5 polished aluminum extrusion. The liner shall be constructed of 3/16" composite material to provide a maintenance free, damage resistant surface.

The body design shall allow the booster tank to be completely removable without disturbing or dismounting the apparatus body structure. The booster tank mounting system shall utilize a floating design to reduce stress from road travel and vibration. An extruded aluminum cradle covered with rubber shock pads and corner braces shall support the tank.

The entire exterior body shall be completely sanded and deburred to assure a smooth finish prior to paint. The entire rear surface of the body between the beavertails shall be natural finish aluminum to provide a long lasting, maintenance free surface when removing hose.

The apparatus body structure shall be securely fastened to the chassis with 5/8" OD steel U-bolts.

	Bidder Complies	
	Yes	No

Underbody Crossmembers

Underbody crossmembers shall be full width of the body and shall be constructed entirely from aluminum "I" beam and extrusions.

A frame crossmember extrusion shall be at the front of the body. The extrusion shall be 3" x 3" 6061T6 aluminum with 3/8" wall thickness. A solid 3" x 3" "I" section aluminum extrusion shall be provided full width at the rear. The crossmembers shall be designed to support the compartment framing and shall be welded to a 1-3/16" x 3" solid 6063T5 aluminum frame sill extrusion. The frame rail extrusion shall be shaped to contour with the chassis frame rails and shall be protected from contact with the chassis frame rails with 5/16" x 2" fiber reinforced rubber strips.

Rear Step

A rear tailboard step shall be provided at the rear of the body. The maximum step height shall not exceed 24" in accordance with current NFPA requirements. The step shall be formed from 3/16" aluminum diamond plate and shall be reinforced with a minimum of 1.5" x 3" aluminum extrusion. The step surface shall be provided with a multi-directional, aggressive gripping surface incorporated into the aluminum diamond plate in accordance with current NFPA requirements. The step shall be bolted on to the rear beavertails from the underside assuring a clean surface. The rear step shall be easily removable for replacement in the case of damage.

A label shall be provided at the rear to warn personnel that riding on the rear step while the vehicle is in motion is prohibited.

Hosebed

Hosebed sides shall consist of 3/16" 3003 H14 smooth aluminum plate welded to a perimeter frame constructed of 3 x 3 3/16" heavy walled 6063 T5 aluminum extrusion for rigidity.

The hosebed compartment deck shall be constructed entirely from maintenance free, extruded aluminum. Extrusions shall have an anodized radiused ribbed top surface for maintenance free service life. Extruded aluminum slats shall be approximately 3/4" x 7.5" and shall be riveted into a one-piece grid system to prevent the accumulation of water and allow ventilation to assist in drying hose. The hosebed compartment shall be free of sharp edges and projections to prevent hose damage. The hosebed shall be completely removable for easy access to the booster tank. The compartment deck design shall incorporate a provision for the installation of adjustable hosebed dividers.

Compartments

All body compartments shall be constructed from 1/8" formed aluminum 3003 H14 alloy plate. Each compartment shall be modular in design and shall not be a part of the body support structure.

Compartment floors shall be constructed of 1/8" aluminum fire apparatus quality diamond plate welded in place. Compartment floors shall be supported by a minimum 1.5" x 3" x 1/8" walled

	Bidder Complies	
	Yes	No

aluminum extrusions. The compartment seams shall be sealed using a permanent pliable silicone caulk. Compartments shall be machine louvered for adequate ventilation. External compartment tops shall be constructed of 1/8" fire apparatus quality aluminum diamond plate. Service access shall be provided to main body wiring harnesses.

The compartment interior walls and ceiling shall be natural finish aluminum to provide a long lasting, maintenance free surface.

Rubrail

The body shall have a body side protection rubrail along the length of the body on each side and at the rear. The rubrail shall be constructed of minimum 3/16" thick anodized aluminum 6463T6 extrusion. The rubrail shall be a minimum of 2.75" high x 1.25" deep and shall extend beyond the body width to protect compartment doors and the body side.

The rubrail shall be of a C-channel design to allow marker and warning lights to be recessed inside for protection. The top surface of the rubrail shall have a minimum of 5 serration's raised .1" high with cross grooves to provide a slip resistant edge for the rear step and running boards. The rubrail shall be spaced away from the body using 3/16" nylon spacers. The ends of each section shall be provided with a replaceable, rounded corner trim piece. The area inside the rubrail C-channel shall be inset with a white reflective material for increased side and rear visibility.

Access Steps

Auxiliary access steps shall be provided at the rear of the body for access to the hosebed and at the transverse walkway for access to the pump operator's panel.

Access steps shall be mounted in accordance with current NFPA requirements, and shall not exceed a maximum stepping height of 18". The top surface of the step shall have a minimum of 35-sq. in. with an aggressive slip-resistant surface and able to support up to 500 pounds. Steps shall be located to provide a minimum of 8" clearance between the leading edge of the step and any obstruction.

Step Surfaces

All body exterior step surfaces shall be provided with an aggressive skid-resistant surface in accordance with current NFPA requirements.

Aluminum diamond plate steps shall include a multi-directional, aggressive gripping surface incorporated into the diamond plate. The surface shall extend vertically from the diamond plate sheet a minimum of 1/8". Gripping surfaces shall be circular in design, a minimum of 1" diameter and on centers not to exceed 4".

Handrails

Access handrails shall be provided at all step positions, including, but not limited to, rear tailboard and top mount walkway. All body handrails shall be constructed of maintenance free, corrosion resistant, extruded aluminum. Handrails shall be a minimum of 1.25" OD and shall be installed between chrome end stanchions at least 2" from the mounting surface to allow for

	Bidder Complies	
	Yes	No

access with a gloved hand. The extruded aluminum shall be ribbed to assure a good grip for personnel safety.

The handrails shall be installed as follows:

- Two (2) 48" handrails, one each side, located on the trailing edge of each beavertail.
- One (1) 48" handrail horizontally below the rear hosebed opening.
- Two (2) 30" handrails, one each side, located at the transverse walkway.
- One (1) 12" handrail at the top rear of the body for use with the rear steps.

Pump Compartment

The apparatus body shall be divided into two (2) individual sections. The pump compartment shall be a separate module from the apparatus body and hosebed compartmentation. This will allow each module to move independently of the other and reduce stress from road travel and vibration. The pump compartment module shall extend full width of the body.

The pump operator's control panel and pump compartment shall be located at the front of the body. The control panel shall be of the top mounted type to provide a full 360 degree unobstructed view of the fire ground.

A full width walkway shall be constructed of 3/16" aluminum diamond plate and shall be supported by the body extruded aluminum substructure framework. The aluminum-extruded substructure is required to eliminate corrosion and dissimilar metal action. The walkway shall be approximately 21" wide x 70" long and shall be unobstructed for operator safety. The step surface shall be provided with a multi-directional, aggressive gripping surface incorporated into the aluminum diamond plate in accordance with current NFPA requirements.

A side running board formed from 1/8" aluminum diamond plate, shall be provided and shall extended the full length of the pump module, on each side of the apparatus. The step surface shall be provided with a multi-directional, aggressive gripping surface incorporated into the aluminum diamond plate in accordance with current NFPA requirements.

There shall be one (1) tool compartment, located under the transverse walkway on either side of the apparatus, with a vertically hinged door. The compartment shall be approximately 18" wide x 18" high x 14" deep and shall contain approximately 3.0 cubic feet of storage space.

A removable diamond plate panel shall form the front face of the pump compartment below the top mount panel to provide easy access to the pump compartment. Two (2) aluminum diamond plate pump compartment access doors shall be provided, one each side, above the side pump panels for additional access to the pump compartment. The access doors shall be horizontally hinged and shall be securely attached with a full-length stainless steel piano hinge and stainless steel D-ring style handle. The access doors shall be the width of the pump panels.

Pump Operator's Panel

	Bidder Complies	
	Yes	No

The pump operator's panel and side panels shall be constructed of brushed, non-glare14 gauge stainless steel for lasting appearance and ease of maintenance. The pump operator's panel shall be approximately 16" high x 70" wide.

Pump panel light shields shall be provided for each side panel and the top mount pump operator's panel. The operator's panel shall be formed to extend upward approximately 9" and have a double break returning forward creating an integral illumination hood for the pump panel lights. Side light shields shall be anodized aluminum extrusion bolted to the side pump panels.

Valve control levers shall be of the vertically operated quarter turn type. Each lever shall have a round, chrome, fluted edge knob providing an easy gripping surface. Each knob shall be clearly engraved to identify the locking direction. The control levers shall be mounted in an anodized extrusion to eliminate slots in the stainless steel panel.

Valve control levers shall be located directly adjacent to one another, mounted in line so they are in the same position when closed. Each control lever shall be connected directly to its respective valve by a 7/8" non-corrosive rod to form a direct linkage control system. The specified pressure gauges shall be located directly above the discharge control levers. Each control shall be clearly marked by metal nameplates recessed into the control lever knob.

To improve identification of discharges and intakes, color-coded tags, in accordance with current NFPA standards, shall be provided. The tags shall utilize an etching process to provide easy visibility and improved field service life. Tags shall be affixed using an industrial grade adhesive, eliminating the need for pop rivets or screws into the stainless steel panel or control handle.

CORNER STEPS

In addition to the standard left hand hosebed access corner steps, three (3) identical steps shall be installed on the right hand rear corner of the tailboard. The steps, constructed of aluminum tread brite, shall be bolted to the body. The top surface of the step shall be a minimum of 35 square inches, and have a raised diamond plate surface pattern with Gater Grip™ surfaces. The step shall be able to support up to 500 pounds.

Assist handrail shall be provided at each position where steps for climbing are located. Each handrail shall consist of 1-1/4" OD 6063T5 anodized aluminum tube mounted between chrome stanchions. Handrails shall be machine extruded with an integral ribbed surface to assure a good grip for personnel safety.

HOSEBED DIVIDERS

There shall be two (2) hosebed dividers provided the full length of the hosebed. The hosebed divider shall be constructed of 1/4" smooth aluminum plate with an extruded aluminum base welded to the bottom. The rear end of the divider shall have a 3" radius corner. The dividers shall be sanded and deburred to prevent damage to hose. The dividers shall be natural finish aluminum for long lasting appearance. The dividers shall be adjustable in the hosebed for varying hose loads.

	Bidder Complies	
	Yes	No

HOSELOAD

The hosebed shall include space for 250' of double-jacketed 2-1/2" hose and 1500' of 5" large diameter hose.

LEFT SIDE RESCUE STYLE

Left Side Compartments

There shall be one (1) compartment located ahead of the rear wheels with a Robinson brand roll up door.

The compartment shall be approximately 34" wide x 28" high x 24" deep in the lower section and 34" wide x 19" high x 10" deep in the upper section and contain approximately 17 cubic feet of combined storage space. The door opening shall be approximately 32" wide x 51" high.

There shall be one (1) compartment located over the rear wheels with a Robinson brand roll up door.

The compartment shall be approximately 56" wide x 19" high x 10" deep and contain approximately 6 cubic feet of storage space. The door opening shall be approximately 54" wide x 19" high.

There shall be (1) compartment located behind the rear wheels with a Robinson brand roll up door.

The compartment shall be approximately 34" wide x 28" high x 24" deep in the lower section and 34" wide x 19" high x 10" deep in the upper section and contain approximately 17 cubic feet of combined storage space. The compartment shall be open at the rear to transverse through the rear center tailboard compartment. The door opening shall be approximately 32" wide x 51" high.

An anodized aluminum drip rail shall be mounted over each compartment opening to assist with water runoff.

RIGHT SIDE RESCUE STYLE

Right Side Compartments

There shall be one (1) compartment located ahead of the rear wheels with a Robinson brand roll-up door.

The compartment shall be approximately 34" wide x 28" high x 24" deep in the lower section and 34" wide x 19" high x 10" deep in the upper section and contain approximately 17 cubic feet of combined storage space. The door opening shall be approximately 32" wide x 51' high.

There shall be one (1) compartment located over the rear wheels, ahead of the ladder rack, with a Robinson brand roll-up door door.

The compartment shall be approximately 20" wide x 19" high x 10" deep and contain

	Bidder Complies	
	Yes	No

approximately 2 cubic feet of storage space. The door opening shall be approximately 18" wide x 19" high.

There shall be (1) compartment located behind the rear wheels with a Robinson brand roll-up door.

The compartment shall be approximately 34" wide x 28" high x 24" deep in the lower section and 34" wide x 19" high x 10" deep in the upper section and contain approximately 17 cubic feet of combined storage space. The compartment shall be open at the rear to transverse through the rear center tailboard compartment. The door opening shall be approximately 32" wide x 51" high.

REAR COMPARTMENT

There shall be one (1) compartment located at the center rear tailboard area. The compartment shall be approximately 40" wide x 28" high x 24" deep in the lower section and 40" wide x 17" high x 13" deep in the upper section and contain approximately 21.5 cubic feet of combined storage space. The door opening shall be approximately 38" wide x 49" high

The compartment shall be provided with a Robinson brand roll up door.

COMPARTMENT DOORS

Roll-Up Doors:

Each body side and rear compartment shall be provided with Robinson brand roll up doors.

The Robinson door slats shall be double wall box frame and manufactured from anodized aluminum. The slats shall have interlocking end shoes on each slat. The slats shall have interlocking joints with a PVC/vinyl inner seal to prevent any metal to metal contact and inhibit moisture and dust penetration.

The track shall be anodized aluminum with a finishing flange incorporated to provide a finished look around the perimeter of the door without additional trim or caulking. The track shall have a replaceable side seal to prevent water and dust from entering the compartment.

The doors shall be counterbalanced for ease in operation. A full width latch bar shall be operable with one hand, even with heavy gloves. Securing method shall be a positive latch device.

A magnetic type switch integral to the door shall be supplied for door ajar indication and compartment light activation.

ADJUSTABLE ALUMINUM SHELVES

The compartments ahead of and behind the wheelwells and the driver side compartment over the wheelwell shall be equipped with vertically mounted tracks and adjustable shelves. (5) The tracks shall be of extruded aluminum and attached to the side or back wall(s) with rivets.

The shelves shall be constructed of 3/16" (.187") smooth aluminum plate. 2" lips on the front

	Bidder Complies	
	Yes	No

and the back shall accommodate optional plastic interlocking compartment tile systems. The shelves shall have bi-directional rigidity (side to side and front to back) and one-piece construction. Each shelf shall hold a maximum load of 250 pounds.

The shelves shall be sized, width and depth, to match the size of the specified compartment. Each shelf shall be mounted in the compartment as directed by the purchaser.

If the shelf is mounted to adjustable tracks mounted to the back wall, the shelf shall be capable of holding 100#

SCBA BRACKETS

Four (4) SCBA brackets shall be installed in the driver side wheelwell compartment, each to hold a 7-1/4" diameter breathing air bottle. The bracket shall have two (2) spring steel bottle retainer clips coated with a resilient finish to help reduce scratching of bottle finish.

ROLL-OUT TRAYS

Five (5) rollout trays constructed of 3/16" (.187) smooth aluminum with 3" sides shall be provided and one (1) each mounted on the floor of the compartments ahead of and behind the wheelwells and one in the tailboard compartment. Each tray shall be mounted in the compartment on drawer slides that will permit the tray to roll out of the compartment approximately 22". The tray shall have a positive lock-in and positive lockout mini-rotary latch mounted to the under side of the tray.

The four (4) side compartment trays shall have a total capacity of 250 lbs. at full extension and the tailboard compartment tray shall have a total capacity of 500 lbs. at full extension.

COMPARTMENT MATTING

Side and rear compartments, shelves and slide-out trays shall be covered with Turtle-Tile brand compartment matting tiles. Tile color shall be gray. In the case of sweep-out style compartment floors, matting shall include edge ramps attatched to and in the same color as the matting.

INTERMEDIATE PUMP PANEL STEPS

Two (2) intermediate pump panel steps shall be provided, one (1) on each side of the body at the pump panel area, between the upper and lower panels. The step shall be a minimum of 8" deep x the width of the pump panel and shall be formed of minimum 1/8" aluminum diamond plate.

Assist handrail(s) shall be provided at the step area. Handrail(s) shall consist of 1-1/4" OD 6063T5 anodized aluminum tube mounted between chrome stanchions. Handrail(s) shall be machine extruded with an integral ribbed surface to assure a good grip for personnel safety.

Four (4) heavy duty folding steps that meets NFPA requirements shall be supplied and installed on the body front, two (2) on each side; one above and one below the intermediate step.

Assist handrail(s) shall be provided at each position where steps for climbing are located.

28

	Bidder Complies	
	Yes	No

Handrail(s) shall consist of 1-1/4" OD 6063T5 anodized aluminum tube mounted between chrome stanchions. Handrail(s) shall be machine extruded with an integral ribbed surface to assure a good grip for personnel safety.

LADDER RACK

A hydraulically operated aluminum ladder rack shall be installed on the side of the apparatus. This shall permit storage of the ladders above the hosebed, allowing for high side compartments and for easy removal of the ladders at ground level.

An interlock shall be provided that prevents operation of the ladder rack unless the parking brake is set. With vertical or horizontally hinged doors, interlocks shall be installed to prevent raising or lowering of the rack while the high side compartment doors are open.

The center mount rack shall utilize an air cylinder to lock the rack in the nested position. The ladder rack shall be controlled from the side pump panel area on the same side as the rack.

A rectangular shaped flashing light with red lens shall be installed at each end of the ladder rack. The flashing lights and a visual light on the cab instrument panel shall be illuminated when the rack is in motion or in the down position.

The outward side of the ladder rack, when in the travel position, shall have a white reflective stripe for increased visibility. The hydraulic cylinders area of the hydraulic ladder rack shall be covered with an aluminum diamond plate door.

BOTTLE HOLDERS

Four (4) 8" diameter air bottle holders shall be provided at the wheel well area of the rear axle. A bead of caulking shall be applied around the perimeter of the cast aluminum housing. The bottles shall be held in place by an aluminum-hinged door casting with a positive catch latch

ABS BOTTLE HOLDERS

Six (6) ABS bottle holders shall be provided, three (3) in the compartment behind each wheelwell.

FOAM TANK

A 20 gallon polypropylene foam tank cell shall be supplied as an integral part of the water tank.

A pressure/vacuum vent shall be installed in the lid of the tower. A ½" drain valve shall be provided. The drain shall be piped to drain below the apparatus.

A lifetime manufacturer's limited warranty shall be included.

BOOSTER TANK

The booster tank shall be T-shaped in configuration and shall have a capacity of 1000 gallons. All tank sides, top and bottom, shall be constructed of 1/2" black UV stabilized copolymer

	Bidder Complies	
	Yes	No
polypropylene.		
The tank shall be constructed utilizing latest thermo plastic welding technology. A clean, hot air controlled temperature process shall ensure that the weld reaches its plasticized state without cold or hot spots.		
The tank shall undergo extensive testing prior to installation in the truck. The process shall include an electronic spark and waterfill test after both the internal and external tank shell welds are completed.		
The tank shall have a combination vent and manual fill tower. The tower shall be located in the left front corner of the tank. The tank overflow shall be 4" diameter and shall dump behind the rear wheels to permit maximum traction. The tower shall have a hinged cover and 1/4" thick polypropylene screen.		
There shall be two (2) standard tank openings; one for the tank to pump suction line with an anti-swirl plate and one for a tank fill line.		
Baffles, both longitudinal and latitudinal shall be interlocking and thermo welded to minimize water surge during travel, enhancing road handling stability. Openings in the baffles shall be positioned to allow water flow to NFPA standards during filling or pumping operations.		
The tank shall be mounted on hard rubber cushions to isolate the tank from road shock and vibration. The tank shall be completely removable without disturbing or dismounting the apparatus body structure.		
To ensure timely service support and sole warranty responsibility, the tank shall be warranted by the apparatus builder. A lifetime manufacturer's statement of warranty shall warrant each tank to be free from manufacturing defects in material and workmanship for the service life of the vehicle.		
PUMP SYSTEM		
The pump shall be a midship mounted Hale QMAX 1500 GPM single stage centrifugal pump. The pump shall be mounted on the chassis frame rails and shall be split-drive driven.		
The entire pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (207 MPa). All metal moving parts in contact with water shall be of high quality bronze or stainless steel. Pump body shall be horizontally split in two sections, for easy removal of impeller assembly including wear rings and bearings from beneath the pump without disturbing pump mounting or piping.		
The pump impeller shall be hard, fine grain bronze of the mixed flow design and shall be individually ground and hand balanced. Impeller clearance rings shall be bronze, easily renewable without replacing impeller or pump volute body, and of wrap-around double labyrinth design for maximum efficiency.		
The pump shaft shall be heat-treated, corrosion resistant stainless steel and shall be rigidly supported by three bearings for minimum deflection. The sleeve bearing is to be lubricated by a		

	Bidder Complies	
	Yes	No
force fed, automatic oil lubricated design, pressure balanced to exclude foreign material. The remaining bearings shall be heavy-duty, deep groove ball bearings in the gearbox and shall be splash lubricated. Pump shaft must be sealed with double-lip oil seal to keep road dirt and water out of the gearbox. Two (2) 6.0" diameter suction ports with 6" NST male threads and removable screens shall be provided, one each side. The ports shall be mounted one (1) on each side of the midship pump and shall extend through the side pump panels. Inlets shall come equipped with long handle chrome caps. Pump Packing The pump shaft shall have only one packing gland located on the inlet side of the pump. It shall be of split design for ease of repacking. The packing gland shall be of a design to exert uniform pressure on packing and to prevent cocking and uneven packing load when tightened. The packing rings shall be permanently lubricated, graphite composition and have sacrificial zinc foil separators to protect the pump shaft from galvanic corrosion. The packing shall be easily adjusted by hand with rod or screwdriver with no special tools or wrenches required. Discharge Manifold The pump system shall utilize a stainless steel discharge manifold system that allows a direct flow of water to discharge valves. The manifold and fabricated piping systems shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance. The apparatus manufacturer shall provide a full 10 year stainless steel plumbing components warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer designed foam/water plumbing system stainless steel components for 10 years. A copy of the warranty document shall be provided with the proposal. Priming System The electrically driven priming pump shall be a positive displacement vane type. One (1) priming control, located at the pump operator's position, shall open the priming valve and start the priming motor. The primer shall be oil-less type. The priming valve shall be electronically interlocked to the "Park Brake" circuit to allow priming of the pump before the pump is placed in gear. Pump Shift The pump shift shall be pneumatically controlled using a power shifting cylinder. The power shift control valve shall be mounted in the cab, and be labeled "PUMP SHIFT". The apparatus transmission shift control shall be furnished with a positive lever, preventing accidental shifting of the chassis transmission.		

	Bidder Complies	
	Yes	No
A green indicator light shall be located in the cab, and be labeled "PUMP ENGAGED". The light shall not activate until the pump shift has completed its full travel into pump engagement position.		
A second green indicator light shall be located in the cab and be labeled "OK TO PUMP". This light shall be energized when both the pump shift has been completed and the chassis automatic transmission has obtained converter lockup (4th gear lockup).		
A label shall be provided in the cab, within easy view of the driver's position, to indicate the chassis transmission shift selector position to be used for pumping.		
One (1) pump panel mounted "GREEN" indicator light shall be positioned by the throttle control on the pump operator's panel. The light shall be energized when the pump shift has been competed, chassis automatic transmission has obtained converter lockup (4th gear lockup), and the chassis parking brake is set.		
<u>System</u>		
One (1) 4-1/2" master intake pressure indicating gauge and one (1) 4-1/2" master discharge pressure indicating gauge shall be supplied at the pump operator's panel. These compound gauges shall be liquid filled.		
Two (2) test plugs shall be pump panel mounted for third party testing of vacuum and pressures of the pump.		
A master drain valve shall be installed and operated from the pump operator's panel. The master pump drain assembly shall consist of a Class 1 bronze master drain with a rubber disc seal and turning handle.		
The manual Master Drain Valve shall have six individually sealed ports that allow quick, simultaneous, draining of multiple intake and discharge lines. It shall be constructed of corrosion resistant material and be capable of operating at a pressure of up to 600 psi		
The master drain shall provide independent ports for low point drainage of the fire pump and auxiliary devices.		
<u>Auxiliary Engine Cooler</u>		
An engine cooler used to lower engine water temperature during prolonged pumping operations and controlled at the pump operator's panel shall be provided.		
The engine cooler shall be installed in the engine coolant system in such a manner as to allow cool pump water to circulate around engine water, thus forming a true heat exchanger action. Cooler inlet and outlet shall be continuous, preventing intermixing of engine coolant and pump water.		
<u>PUMP CERTIFICATION</u>		
The pump, when dry, shall be capable of taking suction and discharging water in accordance with current NFPA 1901. The pump shall be tested at the manufacturer's facility by a third party		

	Bidder Complies	
	Yes	No

testing service. The conditions of the pump test shall be as outlined in current NFPA 12-13.2.

The tests shall include, at a minimum, the pump test, the pumping engine overload test, the pressure control system test, the priming device tests, the vacuum test, and the water tank to pump flow test as outlined in current NFPA 1901-12-13.2 - 12-13.7.

A piping hydrostatic test shall be performed as outlined in current NFPA 12-13.8.

The pump shall deliver the percentage of rated capacities at pressures indicated below:

100% of rated capacity at 150 PSI net pump pressure

100% of rated capacity at 165 PSI net pump pressure

70% of rated capacity at 200 PSI net pump pressure

50% of rated capacity at 250 PSI net pump pressure

A test plate, installed at the pump panel, shall provide the rated discharges and pressures together with the speed of the engine as determined by the certification test, and the no-load governed speed of the engine.

A Certificate of Inspection certifying performance of the pump and all related components shall be provided at time of delivery. Additional certification documents shall include, but not limited to, Certificate of Hydrostatic Test, Electrical System Performance Test, Manufacturer's Record of Pumper Construction, and Certificate of Pump Performance from the pump manufacturer.

SUCTION SIDE RELIEF VALVE

The pump shall be equipped with an Akron cast brass, variable pressure setting suction side relief valve. The valve shall be normally closed and shall limit pressures in the pumping system. When excessive intake pressures are received, the water shall be directed below the body to an area visible to the pump operator. The outlet shall terminate with a male 2-1/2" NST threaded fitting.

GOVERNOR

The apparatus shall be equipped with a Class 1 engine/pump pressure governor/throttle system connected directly to the Electronic Control Module (ECM) mounted on the engine. The governor shall control and monitor the pump master discharge pressure, eliminating any need for a relief valve on the discharge side of the pump. A special preset feature shall permit a predetermined pressure or RPM to be set and hold it against varying flow rates at independent discharge lines by modulating engine rotation speed. Control of the engine speed shall be dictated by preprogrammed software in the electronic control module. The preset shall be easily adjustable by the operator.

The Class 1 system shall be installed in place of the discharge relief valve and the pump panel mounted hand throttle.

A display/control until shall be mounted on the pump operator's panel. The control unit shall be

	Bidder Complies	
	Yes	No

a self-contained, weatherproof module, approximately 4.5"W x 6"H. The display unit shall provide alpha-numeric display.

MECHANICAL SPEED COUNTER

The test connection shall be installed on the pump operator's panel to manually verify the vehicle engine speed displayed on the electronic tachometer. On Hale pumps the ratio shall be 1:10 and on Waterous pumps it shall be half speed.

WATER TANK LEVEL GAUGE

There shall be an Innovative Controls water tank level gauge located at the pump operator's panel. The gauge shall provide a high visibility display of the water tank water level. Fourteen high intensity LED's on the display module shall form an inverted "V" pattern allowing the full, 3/4, 1/2, 1/4, and refill levels to be easily distinguished at a glance.

The display module shall be immune from vibration and contamination with the components being encased in an encapsulated plastic. The long life and extreme durability of LED indicators eliminates light bulb replacement and maintenance. Color coded cover plates shall complete the assembly of the display module to the pump panel.

The probe shall easily fit in the tank and it shall have a removable tip on the probe that allows the probe shaft to be cut to fit the tank. Once the probe is cut to length, the internal cable connector shall be attached and the tip is secured in place.

System calibration shall be accomplished via five (5) small adjustment screws, one for each level, located on the face of the display module. Each display level shall be set independently for maximum reliability.

The display shall provide a steady indication of fluid level despite sloshing inside of the tank when the vehicle is in motion due to an "anti-slosh" feature.

FOAM TANK LEVEL GAUGE

There shall be an Innovative Controls foam tank level gauge located at the pump operator's panel. The gauge shall provide a high visibility display of the foam tank foam level. Fourteen high intensity LED's on the display module shall form an inverted "V" pattern allowing the full, 3/4, 1/2, 1/4, and refill levels to be easily distinguished at a glance.

The display module shall be immune from vibration and contamination with the components being encased in an encapsulated plastic. LED indicators shall be used due to the long life and extreme durability and to eliminate light bulb replacement and maintenance. Color coded cover plates shall be included as part of the complete the assembly of the display.

The design of the sensing probe shall prevent fluid entry into the probe and eliminate cleaning procedures commonly associated with level measuring probes. Internal electronics shall be protected with encapsulated plastic.

The display shall provide a steady indication of fluid level despite shifting of the contents of the

	Bidder Complies	
	Yes	No

tank when the vehicle is in motion.

PUMP COOLER

The pump shall have a 3/8" line installed from the pump discharge to the booster tank (or to the ground on apparatus with an ATP foam system) to cool the pump during sustained periods of pumping when water is not being discharged. The pump cooler shall be controlled from the pump operator's panel by a 3/8" snubber valve.

ENGINE SYTEMS MANAGER

The apparatus shall be equipped with a Class 1 Enfo III electronic system and engine operating information display/warning system mounted on the pump operator's panel. The gauge shall be a self-contained, weatherproof display, approximately 4.5"W x 6" H.

Features:

- Engine RPM - engine RPM shall be displayed in numeric in 5 RPM increments.
- System voltage display and alarm - System voltage below 11.8 volts for more than 30 seconds shall cause the display to flash actual system voltage while simultaneously sounding an audible alarm.
- Engine temperature display and alarm - a display shall be provided to indicate engine temperature and an audible alarm warning of high engine temperature. The display shall flash with an audible alarm to warn the operator.
- Engine oil pressure display and alarm - a display shall be provided to indicate oil pressure and an audible alarm warning of low oil pressure. The display shall flash with an audible alarm to warn the operator.

The connection to the apparatus shall be achieved by the use of a Deutsche four (4) position socket connector.

TANK FILL

A 2" pump-to-tank fill line having a 2" full flow valve. The brass valve shall be a quarter turn ball type valve of fixed pivot design to allow for ease of use. The fill line shall be controlled at the pump operator's panel using a chrome handle with integral tag.

FRONT BUMPER DISCHARGE

The discharge shall consist of a 2-1/2" heavy duty hydraulic hose coming from the pump discharge manifold to the extended front bumper. The hydraulic hose shall be connected to a 2-1/2" brass in-line Tork-Lok valve which is operated from the pump panel. One 2-1/2" mechanical swivel hose connection to permit the use of hose from either side of the apparatus shall be provided.

The discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied

	Bidder Complies	
	Yes	No

with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

An air blowout valve shall be installed between chassis air reservoir and front jumpline. The control shall be installed on the operator's pump panel.

DOUBLE CROSSLAY HOSE BED

A double crosslay shall be provided at the front area of the body. Each crosslay section shall have a capacity of 200' of 1-3/4" double jacket fire hose. The crosslay decking shall be constructed entirely of maintenance free ¾" x 2-3/4" hollow aluminum extrusions.

Each crosslay shall include one (1) 2" brass swivel with a 1-1/2" hose connection to permit the use of hose from either side of the apparatus.

Stainless steel rollers with nylon guides set in aluminum extrusions shall be installed horizontally and vertically on each end of the crosslay.

The crosslay shall consist of a 2" heavy duty hose from the pump discharge manifold to the 2" swivel. The discharge shall include a 2" brass in-line Tork-Lok valve which shall be operated from the pump operator's panel. The discharge shall include a ¼" NPT valve for use as a bleeder/gauge drain.

All fabricated piping shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance.

The discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

LEFT SIDE DISCHARGE

Two (2) 2-1/2" discharge outlets with 2-1/2" valves shall be provided on the left side of the apparatus. The valve controls shall be located at the pump operator's panel.

The inline Tork-Lok valves shall be constructed of brass and be of the quarter turn ball type of fixed pivot design to allow for ease of operation at all pressures. The valve operating mechanism shall indicate the position of the valve.

The valves shall be connected to the discharge side of the pump with the valve body behind the pump panel. The discharge valves shall extend out from the apparatus at a 30 degree angle with 2-1/2" NST threads. The chrome plated 30 degree droop shall be an integral part of the discharge valve.

A chrome plated, rocker lug, cap with chain shall be provided for each outlet.

Each discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure

	Bidder Complies	
	Yes	No

gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

RIGHT SIDE DISCHARGE

Two (2) 2-1/2" discharge outlets with 2-1/2" valves shall be provided on the right side of the apparatus. The valve controls shall be located at the pump operator's panel.

The inline Tork-Lok valves shall be constructed of brass and be of the quarter turn ball type of fixed pivot design to allow for ease of operation at all pressures. The valve operating mechanism shall indicate the position of the valve.

The valves shall be connected to the discharge side of the pump with the valve body behind the pump panel. The discharge valves shall extend out from the apparatus at a 30 degree angle with 2-1/2" NST threads. The chrome plated 30 degree droop shall be an integral part of the discharge valve.

A chrome plated, rocker lug, cap with chain shall be provided for each outlet.

Each discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

LEFT REAR DISCHARGE

A 2-1/2" discharge shall be run to the left rear of the apparatus by a 2-1/2" stainless steel pipe with a chrome 2-1/2" male NST adapter on the outside end. The adapter shall have a chrome cap and chain.

All fabricated piping used in the discharge shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance.

The discharge shall be operated by a 2-1/2" inline Tork-Lok valve which shall be constructed of brass and shall be of the quarter turn ball type of fixed pivot design to allow for ease of operation at all pressures. A handle located on the pump operator's panel shall operate the valve.

The discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

	Bidder Complies	
	Yes	No

DECK GUN DISCHARGE

A 3" deck gun discharge shall be piped to the area above the pump compartment with 3" stainless steel pipe. Piping shall be rigidly braced and installed securely so that no movement develops when the line is charged.

All fabricated piping used in the discharge plumbing shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance.

The discharge shall be operated by a 3" inline Tork-Lok valve constructed of brass and shall be of the quarter turn ball type of fixed pivot design for ease of operation at all pressures. The valve control shall be located at the pump operator's panel. The valve operating mechanism shall indicate the position of the valve.

The discharge shall include a Class 1 - 2.5" diameter liquid filled (30-0-600# psi) pressure gauge mounted at the pump panel adjacent to the discharge control. The discharge shall be supplied with a 3/4" bleeder valve assembly. The bleeder valve shall be installed to drain water from the gauge pressure line to prevent freezing of the line. The drain shall be controlled with a 1/4 turn valve on the pump panel.

The discharge shall be equipped with a device that shall not allow the valve to open or close in less than three (3) seconds.

MASTER STREAM APPLIANCE

One (1) Elkhart 8298 Top mount Adapter shall be mounted on the plumbing. Also included shall be a Elkhart 8927 "Stinger" Monitor complete with ground mount base, stream shaper, stacked tips and a SM-100 Nozzle.

TANK TO PUMP

A 3" inline Tork-Lok valve shall be installed between the pump and the booster tank. The valve shall be constructed of brass and shall be of the quarter turn ball type of fixed pivot design. The valve shall be operated by a chrome handle located on the pump operator's panel.

LEFT SIDE SUCTION

A 2-1/2" gated suction Tork-Lok valve shall be installed in the left side pump panel with the valve body behind the panel. All fabricated piping in the suction shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance. The valve shall be constructed of brass and be of the quarter turn ball type of fixed pivot design. It shall be piped to the left side suction tube of the pump and shall be controlled by a vertically mounted quarter turn locking handle located on the top mounted operator's panel. This handle will replace the handle normally supplied on the side panel.

. The valve shall come equipped with a brass inlet strainer, 2-1/2" NST chrome inlet swivel, chrome plug and chain.

A 3/4" bleeder valve assembly will be installed on the left pump panel.

	Bidder Complies	
	Yes	No

RIGHT SIDE SUCTION

A 2-1/2" gated suction tork-lok valve shall be installed in the right side pump panel with the valve body behind the panel. All fabricated piping in the suction shall be constructed of a minimum of Schedule 10 stainless steel for superior corrosion resistance. The valve shall be constructed of brass and be of the quarter turn ball type of fixed pivot design. It shall be piped to the right side suction tube of the pump and shall be controlled by a vertically mounted quarter turn handle located alongside the suction inlet on the right side pump panel. The valve shall come equipped with a brass inlet strainer, 2-1/2" NST chrome inlet swivel, chrome plug and chain.

A 3/4" bleeder valve assembly will be installed on the right side pump panel.

REAR INTAKE WITH 5" VALVE WITH RELIEF

A 5" stainless steel pipe shall extend from the right intake side of the pump to the rear of the apparatus. The intake shall mount through the rear of the apparatus. The intake shall terminate with a 5" female NPT x 5" male NST chrome adapter with intake strainer. The intake shall be supplied with a 5" long handle chrome cap. A 5" air operated valve controlled from the pump operator's panel shall control the intake valve. A valve(s) shall be provided to allow water to be drained. An intake relief valve shall be installed external of the butterfly valve.

FOAM PRO SYSTEM

There shall be a fully automatic electronic direct injection foam proportioning system furnished, installed on the apparatus and plumbed to: both 1-1/2" preconnected crosslays, front bumper 2-1/2" discharge and left rear 2-1/2" discharge. The system shall be capable of Class A foam concentrates. The proportioning operation shall be based on an accurate direct measurement of water flows with no water flow restriction. The proportioning system shall meet NFPA standards for foam proportioning systems and the design shall have passed testing against SAE automotive reliability standards appropriate for the application. The foam system shall be installed in accordance with the manufacturer's recommendations.

The system shall be equipped with a digital electronic control display. It shall be installed on the pump operator's panel and shall enable the pump operator to perform the following control and operation functions:

- Activate the foam system.
- Change foam concentrates proportioning rates from .1% to 3% in .1% increments.
- From discharges plumbed after the paddlewheel type flow meter: show current flow in gpm, show total volume of water pump, show total amounts of foam concentrate used.
- Provide simulated flow for manual operation.
- Perform set-up and diagnostic functions.

	Bidder Complies	
	Yes	No

- Flash a "low concentrate" warning for two minutes when the foam concentrate tank(s) run low of concentrate.
- Flash "no concentrate" warning if foam concentrate tank was not changed or foam concentrate was not added to the low tank and shut down foam concentrate pump.

The foam system shall have a 12 volt, ½ hp "TENV" electric motor designed for wet and high humidity environments, direct coupled to a positive displacement piston type foam concentrate pump with a rated capacity of .01 to 2.6 gpm with operating pressures up to 400 psi.

The foam system shall be connected to both 1.5" crosslays; the 1.5" front bumper jump line; and the left rear 2.5" discharge.

FEDERAL LIGHT BAR

A Federal Aerodynic model ADL5202 52" light bar. Lens colors shall be: Red/Clear/Red with the rear of the clear section blacked out. The unit shall have four (4) 95 FPM and two (2) 175 FPM halogen rotating lamps.

ELECTRONIC SIREN

A Federal model PA-300M solid state electronic siren with attached noise-canceling microphone shall be installed. The unit shall be capable of driving high power speakers up to 200 watts to achieve a sound output level that meets Class "A" requirements. Operating modes shall include Hi-Lo, yelp, wail, P.A., air horn and radio re-broadcast, and shall include Tap II.

SIREN SPEAKER

One (1) Federal model MS-100-01 Dynamax 100 watt speaker shall be flush at the front driver's side of the apparatus as low as possible.

The speaker shall meet current NFPA requirements for sound output producing a minimum 120 dB of sound at 10 feet.

ELECTRICAL SYSTEM

All electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standard and the requirements of the applicable N.F.P.A. Apparatus Standard.

Wiring shall be individually and permanently function and color coded every three (3) inches on the insulation. The insulation shall meet SAE standard J1128 in its latest edition for GXL or SXL temperature rating.

All exposed wiring shall be run in loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body 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.

	Bidder Complies	
	Yes	No

The main low voltage chassis to body interface point and distribution panel shall be provided at the front of the body in a location providing easy service access. The distribution panel shall be labeled and shall contain body electrical relays and wire connection bar. The distribution panel shall be located so as not to reduce useable compartment space. An electrical harness quick disconnect shall be provided to facilitate removal of the body in the future.

Electrical connections in exposed areas shall be made using heat shrink or weather proof connections. All circuits shall be protected with automatic reset circuit breakers.

All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. Light switches shall be of the rocker type with integral indicator light to show when the circuit is energized. All switches shall be appropriately identified as to function.

Cab and Body Lighting

Clearance lights and reflectors shall include two (2) red clearance lights, four (4) red rectangular reflectors, two (2) amber rectangular reflectors, and three (3) red marker lights centered at the rear step, recessed in the rubrail.

A rectangular shaped marker light with an amber colored lens shall be installed on either side of the apparatus body, recessed in the rubrails at the front of the body. The marker light shall be wired to the turn indicator.

A rectangular shaped marker light with a red colored lens shall be installed at the trailing edge on either side of the apparatus body, recessed in the rubrail.

One (1) 7" red and one (1) 7" clear Weldon model 1010 light shall be installed on each side of the vehicle rear. Light functions shall include running lights, brake lights, turn signal lights and back-up lights.

One (1) 4" circular single bulb light shall be mounted in each body compartment and shall be wired to a master on/off rocker switch on the cab dash. The light shall be in a resilient shock absorbent mount for improved bulb life. The wiring connection shall be made with a weather resistant plug in style connector. A single water and corrosion resistant switch with a polycarbonate actuator and sealed contacts shall control each compartment light. The switch shall only allow the light to illuminate if the compartment door is open. In addition, the switch shall activate a 2" red flashing light located in the cab to alert the driver that a cab or body door is open. The door ajar waning light shall be interlocked through the parking brake to eliminate the light from flashing when the vehicle is being serviced or the master/ignition switch is in the on position.

A compartment light with a switch shall be installed to illuminate the pump area for service.

A license plate light shall be installed on the rear of the vehicle.

Two (2) Weldon #2030 lights shall be mounted (top mount panels shall have three (3) lights) under a light shield directly above each pump panel. The work light switch in the cab shall activate the lights when the park brake is set.

	Bidder Complies	
	Yes	No

Step Lights

A recessed 4" light with clear lens shall be provided to illuminate the rear step area. (Top mount applications shall include the transverse walkway). Step lights shall be activated with work lights switch in cab when the park brake is set.

The apparatus shall have sufficient lights to properly illuminate the work areas, steps, walkways and ground areas around the apparatus. Areas under the driver and crew area exits shall be activated automatically when the exit doors are opened. Ground area lights shall be switched from the cab dash with the work light switch.

Back-up Alarm

An electronic back-up alarm shall be supplied. The 97 dB(A) alarm shall be wired into the chassis back-up lights to signal when the vehicle is in reverse.

Electrical System Load Manager

The vehicle's electrical system shall be equipped with a load management device. The load manager shall be a one-touch device designed so that it shall be protected against reverse voltage and electrostatic damage. The load manager shall be a user programmable device and shall be able to manage up to eight items.

The load manager system shall include the following features:

- Main battery monitoring
- Electrical load sequencing, in priority, from 1 to 8. The sequencer shall sequence loads on at half-second intervals.
- Electrical load shedding tied through the parking brake and only shed items during stationary vehicle operations. Load shedding is to be the reverse order of load sequencing. If a load has been shed it shall be reactivated once the park brake has been released.
- Automatic fast idle activation shall occur before load shedding. The fast idle is to be activated whenever the parking brake is set and the system voltage drops below 12.8 volts for at least one minute. The fast idle is to remain on for a minimum of 10 minutes and until a minimum of 13.0 volts are achieved.
- Visual and audible low voltage alarm control.
- Digital display for diagnostics and status information.
- Test button to cycle all loads and the ability to verify load shedding sequences without draining the battery.
- Override switch shall be provided, with label, to override operation of the management system, per N.F.P.A requirements.

	Bidder Complies	
	Yes	No

The apparatus low voltage electrical system shall be tested in compliance with current N.F.P.A. requirements. A third party testing service shall perform testing and certification.

POWER SUPPLY

Two (2) plug-in type receptacle for hand held spotlights or other supply shall be installed side-by-side in the center of the apparatus cab dash.

FIRECOM COMMUNICATION SYSTEM

A Firecom communication system shall be provided and installed. The system shall consist of a Firecom brand Model 3000A intercom system with four (4) headsets. Two (2) headsets shall include push-to-talk interface with the Bendix King EMH series transceiver and jacks shall be mounted for driver and officer seating positions. Two (2) shall be voice activated intercom only and jacks shall be mounted for use at the rear facing seated positions. Two (2) additional jacks shall be installed, on at each side of the top mount pump panel for pump operator radio communication.

TWO-WAY RADIO INSTALLATION

Customer supplied Bendix King Model EMH radio and antenna shall be installed and interfaced with the Firecom communication system.

FEDERAL VECTOR LIGHTS

Two Federal Signal model IVP-100 Individual Vector Pods shall be supplied, one each side at the rear of the vehicle. Each unit shall consist of a 95 FPM rotating light with a red Vector Dome on the left and an Amber Vector dome on the right side.

OPTI-SCENE LIGHTS

Six (6) Whelen 9E Series Opti-Scene lights with clear lenses shall be installed:

- Four (4), One (1) each front and rear, at upper body corners.
- Two (2), one each side at top of body rear inside beavertail.

The 12 volt 50 watt halogen light heads shall have internal light deflecting optics that will redirect the light between 8 and 32 degrees of angle. Lights shall be switched; left side, right side and rear by water resistant switches on pump panel. A 'Scene Light" switch on the cab emergency lighting panel shall enable the pump panel switches.

LIGHT PACKAGE

Eight (8) Federal GS5-R FireRay strobe-warning lights and two (2) GH-1FR halogen lights, all with red lenses, shall be provided. Lighting shall be mounted as follows:

- Zone A - Two GS5-R FireRay strobe lights on the front of the apparatus facing forward.

	Bidder Complies	
	Yes	No

- Zone B - Two GS5-R FireRay strobe lights, one at the forward most point (as is practical), one at the rearward most point (as is practical), and a surface mount midship GH-1FR halogen light.
- Zone C - Two GS5-R FireRay strobe lights on the rear of the apparatus facing rearward.
- Zone D - Two GS5-R FireRay strobe lights, one at the forward most point (as is practical), one at the rearward most point (as is practical), and a surface mount midship GH-1FR halogen light.
- In addition, two GS5-R FireRay strobe warning lights with red lenses shall be mounted behind the cab front doors below the Whelen scene lights.

Three Federal SPS4P-NFPA power supplies and one FA-3SB flasher shall be provided.

A lighted rocker switch on the cab instrument panel, labeled lower level warning, shall control the lights.

Lower level devices shall be mounted in compliance with NFPA standards.

FEDERAL GH SCENE LIGHTS

Four (4) Federal GHSCENE lights with clear lenses shall be installed on the cab; One (1) each side below the driprail, immediately behind cab doors and One (1) each side of the center rear window below the cab driprail for upper pump panel illumination. Lights shall be switched from the pump panel; walkway lights with their own switch and cab side lights switched with body side scene lighting. Each light shall include (2) 20 watt halogen fixtures within the light housing. Both lights, within each housing, shall be adjustable horizontally and vertically to provide desired coverage. All electrical connectors are to be enclosed in the housing providing protection against the elements.

The light shall be 12VDC, 40 watts, and provide 1050 candelas.

UNITY DECK LIGHTS

Two (2) 6" chrome plated 12 volt flood lights shall be installed at the rear of the apparatus. Each light shall be manually operable by an on and off switch at the light.

HOSEBED LIGHT

6" chrome plated 12 volt flood light shall be installed at the front area of the hosebed to provide hosebed lighting per current NFPA 1901. The hosebed light shall be switched at the pump panel. An on off switch shall also be provided on the light.

TWIST LOCK RECEPTACLE

Four (4) 20 amp, 110 volt (NEMA #L5-20) twist lock receptacle , each with a weatherproof cover plate shall be installed, one (1) at the rear of and one (1) at the front of each body side compartment.

	Bidder Complies	
	Yes	No

HYDRAULIC GENERATOR

An AMPS 6KW hydraulic generator, model #0661, shall be provided and installed over the pump compartment in a storage pan, constructed of 3/16" fire apparatus quality tread plate.

The unit shall come equipped with: modular generator unit (which includes the hydraulic motor and filter, generator, and cooler), variable displacement hydraulic pump with soft start, hydraulic reservoir and quadmeter. The quadmeter shall consist of one (1) voltmeter/hourmeter, one (1) frequency meter, and two (2) ammeters.

The hydraulic motor, generator, blower, cooler, and necessary hydraulic components are enclosed in a stainless steel housing. The housing is lined with acoustical material to reduce noise levels.

The modular generator unit shall be 31" long x 14.3" wide x 13.375" high and weigh approximately 145 pounds. The reservoir shall be 7.0" deep x 13.0" wide x 15.0" high and weigh approximately 45 pounds wet and shall be mounted separately.

The hydraulic pump with the soft start shall be driven by a chassis transmission mounted power take off (PTO).

A guarded PTO disengage switch shall be mounted in cab to disengage the PTO if necessary.

A switch shall be mounted as specified to turn on the exciter circuit of the generator to produce electrical power.

Ratings and Capacity

Rating:	6000 watts continuous
Volts:	120/240 volts
Phase:	Single, 4 wire
Frequency:	60 Hz
Amperage:	50 amps @ 120 volts or 25 amps @ 240 volts
Engine speed at engagement:	Recommend below 1200 RPM
Operation range:	975 to 2500 RPM
	600 to 2500 RPM Aerial Only

The generator shall be tested operating at 100 percent of its name plate voltage for a minimum of 2 hours in accordance with current N.F.P.A. 1901 standards.

QUARTZ LIGHTS

Two (2) Fire Research Model FC510S50-SW telescopic light/poles shall be internally mounted at the rear outside of the pump panel, one (1) each side. The pole shall allow for 360-degree

	Bidder Complies	
	Yes	No

rotation of the light. The height of the pole shall be held in position by means of a 1/4-turn twist lock on the side. A 110 volt powered 500-watt quartz light shall be installed. The light shall be wired to the door ajar circuit to alert the driver of a raised pole when the apparatus is placed in gear.

BREAKER BOX

An eight (8) place breaker box with up to eight (8) appropriately sized ground-fault interrupter circuit breakers shall be provided. The breaker box shall be mounted in the left front upper compartment ahead of the rear wheels. The breaker box shall be located on the back wall of the compartment up high, offset to the front. The breaker box shall include a master breaker sized according to the generator output.

FOLDING ATTIC LADDER

Duo-Safety #585-A 10' folding attic ladder shall be provided. Two (2) high-tensile aluminum alloy brackets shall be installed on top of ladder rack to securely hold the folding ladder in a horizontal position. Spring loaded handles will be provided.

ROOF LADDER

A Duo-Safety 14' roof ladder shall be provided. Folding steel roof hooks shall be attached to one end of the ladder with steel spikes on the other.

EXTENSION LADDER

A Duo-Safety 900-A 24' two-section extension ladder shall be provided.

FLAT HEAD AXE

Six-(6) pound steel flat head axe with varnished wood handle shall be mounted with axe brackets consisting of one stainless steel axe blade bracket and one chrome handle restrainer on the driver side pump panel access cover.

PICK HEAD AXE

A 6 lb. steel pick head axe with varnished wood handle shall be mounted with axe brackets consisting of one stainless steel axe blade bracket and one chrome handle restrainer on the officer side pump panel access cover.

PIKE POLES

One (1) 6' and one (1) 10' hollow fiberglass pike pole 1-3/4" OD, each with a painted steel pike shall be supplied. An aluminum tube shall be provided for storing each pike pole and mounted on the top of the ladder rack below the attic ladder. One end shall be notched to allow the pole to be locked in place.

SEATING CAPACITY TAG

A permanent plate shall be installed in the driver's compartment, specifying the seating capacity

	Bidder Complies	
	Yes	No

of the apparatus cab in accordance with current NFPA standards.

BODY PAINT FINISH

Cab and body shall be painted Sikkens FLNA 3204 Red. Paint process shall meet or exceed current State regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water and soil. Manufacturer shall, upon demand, provide evidence that the manufacturing facility is in compliance with State EPA rules and regulations.

Manufacturer shall supply warranty against peeling, cracking, blistering, and corrosion. Warranty period shall be for minimum of 10 years. Paint shall be covered 100% for 10 years. Additionally, manufacturer shall provide a lifetime warranty against corrosion perforation. UV paint fade shall be covered in a separate warranty supplied by Akzo-Nobel and shall be for a minimum of seven years. Complete copies of all warranties must be submitted by manufacturer with completed proposal.

The aluminum body exterior shall have no mounted components prior to painting to assure full coverage of metal treatments and paint to the exterior surfaces of the body. Any vertically or horizontally hinged smooth-plate compartment door shall be painted separately to assure proper paint coverage on body, doorjambs and door edges.

Paint process shall feature Akzo-Nobel's high solid LV products and be performed in the following steps:

1. Corrosion Prevention - all raw materials shall be pre-treated with the Weather Jacket Corrosion Prevention system to provide superior corrosion resistance and excellent adhesion of the top coat.

2. Akzo-Nobel Sealer/Primer LV - acrylic urethane sealer/primer shall be applied to guarantee excellent gloss hold-out, chip resistance and a uniform base color.

3. Akzo-Nobel High Solid LV (Top coat) - a lead free, chromate-free high solid acrylic urethane top coat shall be applied, providing excellent coverage and durability. A minimum of two coats shall be applied.

4. Akzo-Nobel High Solid LV (Clear coat) - High solid LV clear coat shall be applied as the final step in order to ensure full gloss and color retention and durability. A minimum of two coats shall be applied.

   Any location where aluminum is penetrated, after painting, for the purpose of mounting steps, handrails, doors, lights, or other specified components shall be treated at the point of penetration with a corrosion inhibiting pre-treatment. The pre-treatment shall be applied to the aluminum sheet metal or aluminum extrusions in all locations where the aluminum has been penetrated. All hardware used in mounting steps, handrails, doors, lights, or other specified components shall be individually treated with the corrosion inhibiting pre-treatment.

   After the paint process is complete, the gloss rating of the unit shall be tested with a 20 degree gloss meter. The gloss rating achieved shall be a minimum of 85 units or greater.

	Bidder Complies	
	Yes	No

CHASSIS AND BODY STRIPE

A Scotchlite white tape "Z" stripe, 6" in height, shall run the full length of each side of the apparatus. A double tape bluestripe shall be applied above and below and existing stripe. The white 'Z' center stripe shall begin centered with the turn/warning bezel at the cab front, extend rearward to the rear of the compartment door ahead of the body wheelwell, forward and up to the front of the same door and then rearward along the center of the wheelwell compartment door to the rear of the body.

LETTERING

Lettering shall be provided as follows:

- Centered below the windshields in 3" reflective white italic style letters with black shading: "BROOKINGS FIRE RESCUE"
- Centered over the driver side headlight in 4" reflective white italic style letters with black shading: "6201".
- Above the provided door logo, on each side, in 4" reflective white italic style letters with black shading: "BROOKINGS"
- Below the provided door logo, on each side, in 4" reflective white italic style letters with black shading: "FIRE RESCUE".
- Centered in the hosebed skirting above the driver side compartments in 6" reflective white italic style letters with black shading: "FIRE RESCUE"
- On the hosebed skirting ahead of the ladder rack: in 6" reflective white italic style letters with black shading: "".
- On the hosebed skirting aft of the ladder rack in 6" reflective white italic style letters with black shading: " FIRE ".
- Centered on the tailboard compartment roll-up door in 8" reflective red italic style lettering with black shading: "6201"

STATEMENT OF WARRANTY

1 Year Standard

The apparatus manufacturer shall provide a full one year standard warranty. All components manufactured by the apparatus manufacturer should be covered against defects in materials or workmanship for a one year period. All components covered by separate suppliers such as engines, transmissions, tires, and batteries shall maintain the warranty as provided by the component supplier. A copy of the warranty document shall be provided with the proposal.

	Bidder Complies	
	Yes	No

STATEMENT OF WARRANTY

10 Year/100,000 Mile Structural

The apparatus manufacturer shall provide a comprehensive 10 year/100,000 mile structural warranty. This warranty shall cover all structural components of the cab and/or body manufactured by the apparatus manufacturer against defects in materials or workmanship for 10 years or 100,000 miles, whichever occurs first. Excluded from this warranty are all hardware, mechanical items, electrical items, or paint finishes. A copy of the warranty document shall be provided with the proposal.

STATEMENT OF WARRANTY

Lifetime Frame

The apparatus manufacturer shall provide a full lifetime frame warranty. This warranty shall cover all apparatus manufacturer designed frame and frame members against defects in materials or workmanship for the lifetime of the covered apparatus. A copy of the warranty document shall be provided with the proposal.

STATEMENT OF WARRANTY

Lifetime Polypropylene Tank

The apparatus manufacturer shall provide a full lifetime polypropylene tank warranty. This warranty shall cover all defects in materials or workmanship of the polypropylene tank for the lifetime of the covered apparatus. A copy of the warranty document shall be provided with the proposal.

STATEMENT OF WARRANTY

10 Year Stainless Steel Plumbing Components

The apparatus manufacturer shall provide a full 10 year stainless steel plumbing components warranty. This warranty shall cover defects in materials or workmanship of apparatus manufacturer designed foam/water plumbing system stainless steel components for 10 years. A copy of the warranty document shall be provided with the proposal.

STATEMENT OF WARRANTY

10 Year Paint and Lifetime Corrosion Perforation

The apparatus manufacturer shall provide a full 10 year paint and lifetime corrosion perforation warranty. This warranty shall cover paint peeling, cracking, blistering, and corrosion provided the vehicle is used in a normal and reasonable manner. Paint shall be covered 100% for 10 years and corrosion perforation shall be covered 100% for the life of the vehicle. A copy of the warranty document shall be provided with the proposal.

	Bidder Complies	
ELECTRONIC MANUALS	Yes	No

Two (2) copies of all operator, service, and parts manuals MUST be supplied at the time of delivery in electronic format (CD-ROMs) -NO EXCEPTIONS! The electronic manuals shall include the following information:

- Operating Instructions, descriptions, specifications, and ratings of the chassis, installed components, and auxiliary systems.
- Warnings and cautions pertaining to the operation and maintenance of the fire apparatus and fire fighting systems.
- Charts, tables, checklists, and illustrations relating to lubrication, cleaning, troubleshooting, diagnostics, and inspections.
- Instructions regarding the frequency and procedure for recommended maintenance.
- Maintenance instructions for the repair and replacement of installed components.
- Parts listing with descriptions and illustrations for identification.
- Warranty descriptions and coverage.

The CD-ROM shall incorporate a navigation page with electronic links to the operators manual, service manual, parts manual, and warranty information, as well as instructions on how to use the manual. Each copy shall include a table of contents with links to the specified documents or illustrations. The CD must be formatted in such a manner as to allow not only the printing of the entire manual, but to also the cutting, pasting, or copying of individual documents to other electronic media, such as electronic mail, memos, and the like. A find feature shall be included to allow for searches by text or by part number. These electronic manuals shall be accessible from any computer operating system capable of supporting portable document format (PDF). Permanent copies of all pertinent data shall be kept file at both the local dealership and at the manufacturer's location.

NOTE: Engine overhaul, engine parts, transmission overhaul, and transmission parts manuals are not included.

10-23-01

All Prospective Bidders

Chief William J Sharp

The City Of Brookings requests your bid for the purchase Accessory equipment for the new truck purchase. The bidders should show and include all pertinent information for the purchase of the accessories. Prospective bidders may bid on the accessory list singly or entirely. All exceptions and bidder changes shall be listed and noted on a separate list and identified.
The engine accessory equipment list is included in this package.
The bids should be mailed in a separate envelope and marked "2001 Accessory Proposal. They should be addressed to City Recorder, Bev Adams.
The closing date and bid opening will be 11/13/01 at 4:30 PM in the Brookings Fire Department meeting room.

The City Of Brookings reserves the right to accept or refuse all bids and will review and evaluate all bids based on our own criteria and requirements.

Thank You for your consideration and interest.

Brookings Fire Dept.
Truck Accessory Equipment Bid List

8-	45 minute High pressure ISI Magnum Plus Breathing apparatus
9-	ISI Spare carbon composite 45 minute bottles
2000' -	5" Tri-Flow LDH supply line hose . 5" X100' coupled/Threads , stamped -BFR 01 / corresponding #s , Red color.
600' -	2 ½" X50' Dura-Built 800 hose , Yellow color , stamped-BFR 01 / corresponding#s.
600' -	1 3/4 " X50' Dura-Built hose, Orange color, stamped-BFR 01 / corresponding #s.
3-	1 3/4" Bubble Cup foam nozzles / 95 GPM, with pistol grip shut off.
4-	1 ¾" Akron Turbojet Nozzle with Pistol grip
3-	2 ½" Elkhart nozzles, Elkhart - Chief combination 4000-27
2-	Husqvarna 61 Chain saws / 20" bars and carbide chains.
1-	Herbert 5" hose clamp and mounting bracket.
4-	Zico Quic-bridge 5" hose bridges, aluminum alloy 24" wide.
1-	Super Vac 24" positive Pressure ventilation fan, 9.0 horse power, Honda engine.
2-	Tele-Lite Honda EX 1000iD Generator mounted quartz lights # TEU - 1000 ID

1- Partner K1250 Active Rescue Saw / 16" Combicut # 16" X .250 X 1" Arbor blade.

1- Bendix King radio Model # EMH599OA shall be mounted in the cab and integrated with the headsets.

4- Stream Lite 30 watt spot light boxes and chargers shall be mounted in cab. 1- by Captains seat, 3- mounted in Firefighters seating area.

1- 4 Way Hydrant Valve – Akron 627 4" inlet X 5" discharge.

2- 3M Opticom Emitter/switch – Model # 3M596S

1- Aim Logic 250 Multigas Detector / DC Charger

CITY OF BROOKINGS
COMMON COUNCIL MEETING MINUTES
City Hall Council Chambers
898 Elk Drive, Brookings, OR 97415
October 8, 2001
7:00 p.m.

I. CALL TO ORDER

Mayor Bob Hagbom called the meeting to order at 7:02 p.m.

II. PLEDGE OF ALLEGIANCE

Led by Jim Parkins, Exalted Ruler of the Brookings Lodge No. 1934 – B.P.O. Elks

III. ROLL CALL

Council Present: Mayor Bob Hagbom, Council President Larry Curry, Councilors Frances Johns, Lorraine Kuhn, and Rick Dentino, a quorum present.

Council Absent: none

Staff Present: City Manager Leroy Blodgett, City Attorney John Trew, Special Project Assistant, and Administrative Secretary Sharon Ridens

Media Present: Jeff St. Peter, Curry Coastal Pilot, Chamber of Commerce President Peter Spratt and approximately 12 other citizens, including approximately 8 representatives from the Brookings Lodge No. 1934 – B.P.O. Elks.

IV. CEREMONIES/APPOINTMENTS ANNOUNCEMENTS

A. Appointments

1. Parks and Recreation Commission Position No. 5

Mayor Hagbom suggested appointment of citizen William A. Boynton, to Position No. 5 of the Parks and Recreation Commission. Boynton is currently the City's Curry County Recycling Committee Representative and will need to be replaced. Hagbom stated appointment for this position would occur at the next Council meeting.

City Manager Leroy Blodgett advised Council an additional application was received for the Parks and Recreation Commission openings. Mayor Hagbom suggested appointment of Tony Parrish, a local maintenance and

landscaper, having resided in and out of the community since of 1990, for Position No. 4. Parrish's application is made a part of these minutes.

Councilor Johns moved, Councilor Kuhn seconded, and the Council voted unanimously to appoint William A. Boynton to Parks and Recreation Commission No. 5, and Tony Parrish to Position No. 4.

B. Announcements

1. Proclamation – Drug Awareness Red Ribbon Week in Brookings beginning October 21 ~ 27, 2001

Mayor Hagbom responded to a request from Chuck Heaney, PDDGER and Lodge Drug Awareness Chairman of the Brookings Lodge No. 1934 - B.P.O. Elks by declaring October 21 through 27, 2001, as Red Ribbon Week in Brookings and encouraged all citizens to wear and display Red Ribbons to symbolize a joint commitment to establishing a drug-free community. The Elks invited everyone to a ceremony on October 21st for free refreshments and red ribbons to begin the weeklong event. The following statistics regarding the frequency of American youth injured or killed involving the use of illegal drugs were shared:

- Every day, eight youths are killed in car accidents due to drugs and/or alcohol;
- Every year there is an increase in youth experimenting with drugs;
- Every day more than 1,000 youths visit an emergency room due to violence.

2. Proclamation – Recognition of the National Association of Federal Employees' 80th Anniversary - 2001

Mayor Hagbom recognized with great honor, the 80th Anniversary of the National Association of Federal Employees in the City of Brookings, who celebrated their founding on February 19, 1921 by 14 federal employees with the goal to protect the earned retirement benefits of federal annuitants, their spouses, and survivors. NARFE Chapter 2051-Brookings has 74 active members who embrace the material and social well being of our community through good citizenship and volunteerism. President of Chapter 2051, Glenda R. Eckhardt, was present to receive the proclamation from Mayor Hagbom.

City Manager Leroy Blodgett introduced the City's newest employee, Jeremy McVeety, our Special Projects Assistant, coming to the City via the R.A.R.E. (Resource Assistance for Rural Environments) program and funded thorough AmeriCorps, the University of Oregon, and the City of Brookings. McVeety and his wife Korinne come to Brookings from Idaho

for this one-year position. Staff, especially the Planning Department, is anxious to begin using his skills and expertise.

V. ORAL REQUESTS AND COMMUNICATIONS FROM THE AUDIENCE

A. Committee and Liaison reports

1. Chamber of Commerce

Chamber of Commerce President Peter Spratt reported the Chamber is hard at work making U.S.A. Flag buttons and selling them for $2.00 each. One hundred percent of the proceeds are going to a special 911 account at CFCU. The Chamber's annual TV auction is on the weekend of October 20-21 at the Elks Club, and will continue to be an opportunity to have local people be a part of the live auction. Spratt related the work and progress of various committees of the Chamber, which will include the promotions of "Whale of a Month", Community Bazaar, TV and print media, and spring activities. He reminded Council of the upcoming Chamber Forums, where Jim Bouley will be presenting topics on management. Spratt handed out the new Chamber 2001-2002 business directories and profiles, which promotes the area

Port of Brookings-Harbor Commissioner Russ Crabtree was present to report on two projects our community orientated: #1) a memorial wall at Ward Cemetery and #2) a project to seek funds to house two generators for the school district. Crabtree shared the progress to date and encouraged assistance. He also discussed various on-going and future projects at the Port, including sidewalks, additional parking, ease of access to view and beaches, and the fuel dock, of which the Port maybe coming to the City for assistance. Crabtree also reported they were looking forward to the possibility of having another bumper season for Chinook fisheries and thanked Mayor Hagbom and Council for their joint support efforts with the Port on redistricting. Discussion ensued regarding the Port gangways and helping the school district.

2. Council Liaisons

Councilor Kuhn, still mending from her recent auto accident, attended the Planning Commission, where vacation rentals were addressed. This issue will come back to Council after City Attorney Trew reviews the Commission's recommendations.

Councilor Johns attended the Planning Commission, the Skate Park Committee meeting, and the monthly Community Agencies meeting.

Councilor Dentino attended the joint Council and Planning Commission workshop, which included the previously mentioned vacation rentals issues and extended discussion on the DIA's (Deferred Improvement Agreements). Dentino stated he felt initially there was misunderstanding on both sides of the DIA issue, but felt both are more on the same page after the work session. Counciilor Dentino attended the Community Agencies meeting at the Chetco Senior Center, where U.S. Forest Service Director Gilbert Zepeda reported he would be relocating. He also was present at the IMAC (community medical update) meeting chaired by Mayor Hagbom, which has been in existence now for approximately one year. Dentino stated it is a clearinghouse that has pooled together local medical field people, talking together in the same language, and included new medical people in the community. He gave Mayor Hagbom high accolades for all his hard work on a project from which many people will benefit.

Councilor Curry also attended the Council and Planning Commission work-study session on DIA's and vacation rentals, the IMAC meeting, and the Community Agencies meeting at the Chetco Senior Center, where the City was well represented. Crime Stoppers had their monthly meeting on Thursday, October 4, and discussed the recent increase of vandalism. Curry attended the Coos Curry Douglas Business Development Corporation revolving monthly meeting, which provided an update on the regional investments and other pending projects. Curry gave Mayor Hagbom many kudos for his work on the IMAC project.

Mayor Hagbom attended most of the meetings mentioned above, along with the South Coast Mayors Association. The Mayors discussed common problems, including the redistricting issue of wanting to retain the continuity of the south coast communities and not approving of the new redistricting to split up the coast. Hagbom reviewed the reasons for developing the IMAC group and accolades to Robert Gesserle who was chair of the group but is no longer due to moving out of the area. He stated we continue to work on these medical issues and establish new priorities. Hagbom stated he would not happy until our citizens can get on a medi-vac plane from Brookings without going north or south to a hospital before going to the valley for additional medical care.

B. Unscheduled

There were no unscheduled comments from the audience.

VI. STAFF REPORTS

A. City Manager

1. Skate park update

City Manager Blodgett reported everything is moving forward on the skate park project, and encouraged Council to go out to the site and the large holes being dug – soon to be formed with concrete. He thanked the Public Works Department for taking on a project they had no idea on how to build until this past week and for working with the Dreamland Team in such a positive manner. Blodgett also complimented the Port of Brookings-Harbor on their generous donations. He explained we had obtained 2-1/2" steel from the Port, which was thought to have to be secured and sent to Portland to get bent. The Port was able to do that for us - save approximately $2000. South Coast Lumber and several others have donated materials. One of the Dreamland crew cut off his thumb, but will be returning for work in a couple of weeks. Dreamland coordinator Mark Scott came to Skate Park Committee and discussed the project with the committee, including their next task - rules for skate park and signs. Blodgett stated they are hopeful people will be skating by mid January or February. He reminded Council to get their boards ready.

2. Staff changes update

City Manager Blodgett informed Council of the recent staff changes within the Finance Department and the resulting short-staffed environment. He noted it is causing them to work a lot of overtime and they are getting tired. Interviews for the Accounting Clerk are scheduled for Wednesday, October 10. It is expected the position will be filled by the end of October. In the meantime, Blodgett has hired prior City Finance Director Beverly Adams as Interim Finance Director. She will begin work on October 8, and continue until a new Finance Director is hired. The position should be filled sometime in December, since interviews will begin mid November. He advised Adams will not be on signature card because of her short stay, but she'll be there to take care of the day-to-day matters. Sharon Ridens will remain as Interim City Recorder. Jeremy McVeety will be helping on GASB 34, the SAY Committee, and the RFP for the Master Plan on Downtown Development.

3. Other

Blodgett concluded by informing Council of his upcoming participation in the selection of the Oregon Economic & Community Development Department Regional Development Officer/Southwest Regional Team. His involvement is in a volunteer capacity, will occur in Roseburg this month, and his participation will be beneficial, since this position will represent our area - recommending projects. Blodgett stated staff is working on the urban growth boundary issue and working with state to see if we can expedite entire process. He reminded Council of the November League of Oregon Cities Annual Conference in Eugene, and requested their assistance in providing his office with information as to their attendance and participation. Therefore, because of this conference, and the November 12, 2001 City Holiday, there will be only one Council meeting in November – the 19th.

VII. CONSENT CALENDAR

A. Approval of Council Meeting Minutes
   1. Minutes of September 24, 2001, Regular Council Meeting

B. Acceptance of Planning Commission Minutes
   1. Minutes of September 4, 2001, Regular Commission Meeting

C. Approval of Vouchers ($162,202.97)

Councilor Johns moved, Councilor Dentino seconded, and the Council voted unanimously to approve the consent calendar as printed.

VIII. REMARKS FROM MAYOR AND COUNCILORS

A. Council

There were no additional comments from the Councilors.

B. Mayor

Mayor Hagbom commented on the request from Port Commissioner Russ Crabtree regarding the money saving factor from their crew to build their own gangways, which are being added for easier access – a savings of some amount just under $10,000.

IX. ADJOURNMENT

By favorable unanimous verbal consent, the meeting was adjourned at 7:55 p.m.

Respectfully submitted:

_____

Bob Hagbom
Mayor

ATTEST by City Recorder this ____ day of October, 2001.

Sharon Ridens
Interim City Recorder

Navarre 10/8/01 e mts

City of Brookings
Phone (541) 469-2163
FAX (541) 469-3650
898 Elk Drive, Brookings, OR 97415
E-mail ~ cityhall@brookings.or.us
Home Web Page ~ www.brookings.or.us

APPLICATION TO SERVE ON A CITY OF BROOKINGS COUNCIL, BOARD, COMMITTEE, COMMISSION

Name: Tony Parrish Date: Oct 5, 01

Physical Address: 437 Redwood St, Brookings

Mailing Address: Same Phone: 469-0551

This is my application to serve on the following board or committee. **Check one or more:**

☐ City Council ....(completion of a 4 year term, appointed by Council)

☐ Planning Commission ....(4 year term, appointed by Council)

☑ Parks and Recreation Commission..(4 year term, appointed by Council)

☐ Systems Development Charge Review Board..(4 year term, appointed by Council)

☐ Budget Committee..(3 year term, appointed by Council)

☐ Other (Please list): ____________

1. Resident of City of Brookings since: Month: Jan Year: 90
In and out of city, Mountain Dr. + Cape Ferrello - Harbor

2. Please briefly explain why you wish to serve the community in this capacity and what prior experience, community service, or background you have in this area. (Attach additional sheets if needed.) I have experience in landscaping. OSU Master Gardener, Brooking Harbor Garden Club, countless hours working on triangle, worked on mitigation project at log pond

(Continued on back)

received 10.5.01

2. Continued: Next Ar mill, Past President of Seacrest Bonsai Club, also chairman of Azalea Show, volunteer at Library. Club Champion- Salmon Run 2001. Also ~~[illegible]~~ started idea for Covered Bridge up Chetco River.

3. Biographical Sketch: (Education, employment, etc.) (Attach additional sheets if needed.)

Northern Michigan U. 76-79. not quite finished, I have been self-employed for the last 20 years, mainly Window Cleaning and Building Maintenance, Landscape maintenance.

4. Please list three references:

NAME:	ADDRESS:	PHONE:
A. Vi Lovejoy	CONFIDENTIAL	
B. Maggie Graham		
C. Rick + Polly Keusink		

[signature]
Signature

Oct 5, 01
Date