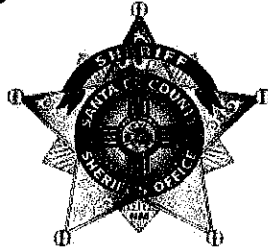


SANTA FE COUNTY SHERIFF'S OFFICE



Robert A. Garcia
Sheriff
986-2455
ragarcia@santafecounty.org

Ron E. Madrid
Undersheriff
986-2455
rmadrid@santafecounty.org

35 Camino Justicia – Santa Fe, New Mexico 87508

Date: February 1, 2012
To: Board of County Commissioners
From: Evelyn Vigil / Accounting
Ron Madrid / Undersheriff

Handwritten signatures in black ink, including one that appears to be "Evelyn Vigil" and another that appears to be "Ron Madrid".

Subject: Capital Purchases – Vehicles/Fleet

Issue:

The Sheriff's Office is requesting Board of County Commission approval to purchase the following vehicle(s) and emergency fleet equipment:

Don Chalmers Ford

14 - 2012 Ford Interceptor Sedan @ \$317,086.00
Per NMSPA# 20-000-00-00026 (exp Dec 26, 2012)
Patrol Units

4 – 2012 Ford Interceptors SUV @ \$104,252.00
Per NMSPA# 20-000-00-00026 (exp Dec 26, 2012)
Patrol Units

New Mexico Emergency Products – Emergency equipment for the above vehicle purchases.

14 – Emergency Equipment Package (includes light bar, sirens, new decals and video equipment.
@ \$127,556.92

Total vehicle & equipment purchase @ \$548,894.92

Note: Funding is available and already allocated for the replacement of fleet & equipment via the FY 2012 Capital Package set –aside.

These purchases require the approval of the Board of County Commissioners due to the cost exceeding the \$100,000 threshold established by Santa Fe County Ordinance 2010-8. These vehicles will be replacing 18 out of the 34 vehicles listed in poor condition which may present a safety issue for our commissioned staff and also cause limitations in providing adequate public safety services to the communities and the citizens of Santa Fe County.

If you should have questions please call me at 505-986-2428. Thank you.

Fiscal Year 2012 Budget Request

Department: Sheriff's Office										FY 2012 VEHICLES	
Division / Program: Public Safety										VEHICLE	
Address / Location: 35 Camino Justicia										CAPITAL	
Cost Center: 246-1201-424										80-09	
Contact & Phone: Ron Madrid - Undersheriff (505) 986-2455											
LICENSE NO	MODEL YEAR	TYPE OF VEHICLE ^A	PURPOSE ^{AA}	HOME yes/no	MAKE / MODEL	ASSIGNED DRIVER	FEB 10 ODOMETER	CONDITION*	NEW / REPLACE	VEHICLE CAPITAL	
G38720	1989	LARGE TRUCK	SWAT	NO	FORD / C-6000		67,447	FAIR			
G76436	2009	SEDAN	PATROL	YES	CHEVY / IMPALA	JOSH LUCERO	123,790	FAIR			
JWD 986	2008	SUV	U/C UNIT	YES	DODGE / DURANGO	EDDIE WEBB JR	67,762	GOOD			
G59493	2004	SUV	PATROL	YES	DODGE / DURANGO		232,135	POOR	REPLACE	\$34,800*	
KHK 504	2008	SUV	ADMIN	YES	DODGE / DURANGO	RON MADRID	77,460	GOOD			
G73597	2008	SUV	PATROL	YES	DODGE / DURANGO		54,038	GOOD			
G60071	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		144,916	POOR	REPLACE	\$29,500*	
G76419	2009	SEDAN	COMMUNITY SUPPOR	YES	CHEVY / IMPALA	DIEGO LUCERO	37,420	GOOD			
G76420	2009	SEDAN	PATROL/DWI	YES	CHEVY / IMPALA	JB NISSEN	85,906	GOOD			
G6633	2003	SEDAN	PATROL	YES	FORD / CRN VIC		93,207	FAIR			
G73596	2008	SUV	COMMUNITY SUPPOR	YES	CHEVY / IMPALA	TRACY BACA	28,475	GOOD			
014 PMP	2008	SEDAN	PATROL	YES	DODGE / DURANGO	NATHAN SEGURA	50,511	GOOD			
G52191	2002	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	JOSH DAVID	49,604	GOOD			
G79201	2010	TRUCK	PATROL	YES	FORD / CRN VIC		156,242	POOR	REPLACE	\$29,500*	
G70246	2007	SEDAN	ANIMAL CONTROL	YES	FORD / F-150	PAUL PORTILLO	32,100	GOOD			
G63101	2006	VAN	PATROL	YES	CHEVY / IMPALA		77,732	GOOD			
G79202	2010	SEDAN	DWI	NO	FORD / E-VAN		2,056	GOOD			
G60066	2005	SEDAN	PATROL	YES	CHEVY / IMPALA	RONALD CROW	10,000	GOOD			
G39869	1999	VAN	TRANSPORT	NO	FORD / E-VAN		159,229	POOR	REPLACE	\$29,500*	
G65476	2006	SEDAN	PATROL	YES	CHEVY / IMPALA		157,871	FAIR			
G60068	2005	SEDAN	PATROL	YES	CHEVY / IMPALA	ERIC STEEN	178,895	POOR	REPLACE	\$29,500*	
G60067	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		154,019	POOR	REPLACE	\$29,500*	
G76421	2009	SEDAN	PATROL	YES	CHEVY / IMPALA	BRIAN MARKLEY	41,947	GOOD			
G76435	2009	SEDAN	SHOW UNIT	NO	CHEVY / IMPALA		35,193	GOOD			
G65476	2006	SEDAN	PATROL	YES	CHEVY / IMPALA	ISAIAH BRYCE	36,951	GOOD			
G65476	2006	SEDAN	DWI TRAILER	NO	VAN / TRAILER			GOOD			
G76434	2009	SEDAN	PATROL	YES	CHEVY / IMPALA		28,000	POOR		\$29,500*	
G60064	2005	SEDAN	PATROL	YES	CHEVY / IMPALA	BILL RITCH		POOR		\$29,500*	
187 PKX	2008	SEDAN	ADMIN	YES	CHEVY / IMPALA	ROBERT GARCIA	18,600	GOOD			
720 PLA	2008	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	MARVYN JARAMILLO	51,193	GOOD			
G79209	2010	SEDAN	COMMUNITY SUPPOR	YES	CHEVY / IMPALA	STEPHEN ORR	29,196	GOOD			
393-PWX	2010	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	JAMES YEAGER	13,165	GOOD			
G65474	2006	SEDAN	PATROL	YES	CHEVY / IMPALA	STEPHANIE CHAMPLIN	115,426	FAIR			
G58492	2004	SUV	PATROL	YES	DODGE / DURANGO		233,026	POOR	REPLACE	\$34,800*	
G55476	2006	SEDAN	PATROL	YES	CHEVY / IMPALA		01,800	FAIR			
G60070	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		02,223	FAIR			
G60072	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		01,475	FAIR			
G70204	2010	SEDAN	PATROL	YES	CHEVY / IMPALA	RAFAEL RODRIGUEZ	20,847	GOOD			
G65478	2006	SEDAN	PATROL	YES	CHEVY / IMPALA	GABE ORTIZ	147,105	FAIR			
G63800	2010	TRUCK	ANIMAL CONTROL	YES	FORD / F-150	MIGUEL TAPIA	20,620	GOOD			

45	G57345	2004	SEDAN	PATROL	YES	CHEVY / IMPALA	ALFRED ARANA	127,927	POOR	REPLACE	\$29,500*
46	G74439	2008	SEDAN	TRANSPORT	YES	CHEVY / IMPALA	FRED SUAZO	31,300	GOOD		
47	G77360	2009	SUV	PATROL	YES	FORD / EXPLORER	JASON APODOCA	29,081	GOOD	REPLACE	
48	G61269	2005	TRUCK	ANIMAL CONTROL	YES	FORD / F-250			POOR	REPLACE	\$29,500*
49	G54910	2003	SEDAN	PATROL	YES	FORD / CRN VIC	BEN CHAVEZ	185,069	POOR	REPLACE	
50	G76433	2009	SEDAN	TRANSPORT	YES	CHEVY / IMPALA		121,130	FAIR		
51	G52184	2002	SEDAN	PATROL	YES	FORD / CRN VIC		119,552	POOR	REPLACE	\$29,500*
52	G6291	2004	SUV	PATROL / RESERVE	YES	DODGE / DURANGO		153,918	POOR	REPLACE	\$45,800*
53	G60327	2002	TRUCK	ANIMAL CONTROL	YES	FORD / F-250		162,825	POOR	REPLACE	
54	G57248	2004	VAN	TRANSPORT	NO	CHEVY / 3500			GOOD		
55	G79208	2010	SEDAN	PATROL	YES	CHEVY/IMPALA	LINDA ORTIZ	20,546	GOOD		
56	G54917	2003	SEDAN	PATROL	YES	FORD / CRN VIC		201,699	POOR	REPLACE	\$29,500*
57	G09599	1993	TRAILER	DWI TRAILER	NO	WELLS / CARGO			GOOD		
58	G67795	2007	TRUCK	ANIMAL CONTROL	YES	CHEVY / COLORADO	AUDREY VELASCO	41,744	GOOD		
59	G60060	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		175,729	FAIR	REPLACE	\$29,500*
60	G74440	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	VANESSA HAYES	77,000	GOOD		
61	G55023	2003	SEDAN	PATROL / RESERVE	YES	FORD / CRN VIC		121,100	FAIR	REPLACE	\$29,500*
62	G6001	2006	SEDAN	PATROL	YES	CHEVY / IMPALA		160,000	FAIR		
63	G6240	2006	SEDAN	PATROL	YES	CHEVY / IMPALA		136,005	FAIR		
64	G70248	2007	SEDAN	TRANSPORT	YES	CHEVY / IMPALA	RACHEL WEBER	17,000	GOOD		
65	G77361	2009	SUV	PATROL	YES	FORD / EXPLORER	RONALDO ULIBARRI	56,980	GOOD		
66	188 MZB	2002	SUV	FLEET	YES	DODGE / DURANGO	LISA DOFFMEYER	153,327	FAIR		
67	G74441	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	RICHARD HILDERBRAND	81,448	GOOD		
68	918 NZN	2006	SUV	UIC UNIT	YES	FORD / EXPLORER	GABE GONZALES	99,672	FAIR		
69	KAD 113	2006	SUV	UIC UNIT	YES	FORD / EXPLORER	ANDREW QUINN TANA	117,787	FAIR		
70	G7025	2007	SEDAN	PATROL	YES	CHEVY / IMPALA		76,076	GOOD		
71	00PNZL	2006	SUV	ADMIN	YES	FORD / EXPLORER			GOOD		Transferred to County Commissioner Arava
72	G5321	2006	SUV	PATROL	YES	FORD / EXPLORER			FAIR		
73	G76432	2009	SEDAN	PATROL	YES	CHEVY / IMPALA	JOE MC LAUGHLIN	42,594	GOOD		
74	G65940	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	BRIAN BRANDLE	158,891	FAIR		
75	G74442	2006	SEDAN	TRANSPORT	YES	CHEVY / IMPALA	ANTHONY MAEZ	30,391	GOOD		
76	G7024	2007	SEDAN	PATROL	YES	CHEVY / IMPALA	BOB CLARK	89,000	GOOD		
77	G55172	2003	SUV	PATROL / RESERVE	YES	DODGE / DURANGO		145,000	POOR		\$34,800*
78	G58494	2004	SUV	PATROL	YES	DODGE / DURANGO		125,863	FAIR	REPLACE	\$34,800*
79	G57247	2004	TRUCK	ANIMAL CONTROL	YES	FORD / F-250	ISAIAH ANAYA	158,074	POOR	REPLACE	\$45,800*
80	G76431	2009	SEDAN	PATROL / DWI	YES	CHEVY / IMPALA	LEONARD MARTINEZ	75,000	GOOD		
81	G54913	2003	SEDAN	PATROL	YES	FORD / CRN VIC		171,504	POOR	REPLACE	\$29,500*
82	G70240	2007	SEDAN	PATROL	YES	CHEVY / IMPALA	SEANA MALONEY	116,590	FAIR		
83	G54916	2003	SEDAN	PATROL	YES	FORD / CRN VIC		161,634	POOR		\$29,500
84	G79207	2010	SEDAN	PATROL	YES	CHEVY/IMPALA	JEREMY GARCIA	12,680	GOOD		
85	G57250	2004	SEDAN	PATROL	YES	FORD / CRN VIC		137,487	POOR		\$29,500
86	006 NOX	1993	SUV	FLEET	YES	CHEVY / BLAZER		136,936	FAIR		
87	G76451	2009	SEDAN	TRANSPORTS	YES	CHEVY / IMPALA	VERNON NARANJO	62,859	GOOD		
88	G31422	1994	TRUCK	FLEET	YES	CHEVY / 2500PJ		22,176	FAIR		
89	G74443	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	MIKE POST	82,305	GOOD		
90	G54912	2003	SEDAN	PATROL	YES	FORD / CRN VIC		138,604	POOR		\$29,500*
91	G52183	2002	SEDAN	PATROL	YES	FORD / CRN VIC		145,506	POOR	REPLACE	\$29,500*
92	G79212	2010	SEDAN	PATROL	YES	HRVY/IMPALA	CLIFTON COLEMAN	10,725	GOOD		
93	G74444	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	PAUL PRENTICE	49,020	GOOD		
94	G80072	2005	SEDAN	PATROL	YES	CHEVY / IMPALA		158,041	POOR	REPLACE	\$29,500*
95	G52182	2002	SEDAN	PATROL	YES	FORD / CRN VIC		161,466	POOR	REPLACE	\$29,500*
96	G58433	1999	SEDAN	ADMIN	YES	FORD / CRN VIC	IVAN PATO / RESERVE	128,966	FAIR		
97	806 NJA	2004	SUV	REG 3	YES	DODGE / DURANGO	MARK ESPARSEN	180,000	POOR	REPLACE	\$34,800*
98	G70244	2007	SEDAN	PATROL	YES	CHEVY / IMPALA		70,000	GOOD		
99	G70558	2004	SUV	PATROL	YES	DODGE / DURANGO	DANIEL CHAVEZ	85,000	GOOD		
100	G57251	2007	SEDAN	TRANSPORT	YES	FORD / CRN VIC		123,617	POOR	REPLACE	\$29,500*
101	G74445	2008	SEDAN	TRANSPORT	YES	CHEVY / IMPALA	LEONARD ROMERO	32,888	GOOD		
102	G55024	2003	SEDAN	PATROL	YES	FORD / CRN VIC		130,488	POOR	REPLACE	\$29,500*
103	G57253	2004	SEDAN	PATROL	YES	FORD / CRN VIC		98,960	POOR	REPLACE	\$29,500*
104	G70247	2007	SEDAN	PATROL	YES	CHEVY / IMPALA		80,000	GOOD		
105	044 PFS	2007	SEDAN	UIC UNIT	YES	CHEVY / IMPALA	FABIAN TRUJILLO	75,000	GOOD		

106	G74446	2008	SEDAN	PATROL	YES	CHEVY / IMPALA			70,000	GOOD	
107	G70243	2007	SEDAN	PATROL	YES	CHEVY / IMPALA	PAUL COLOMBE		93,586	GOOD	
108	G57275	2004	SEDAN	TRANSPORT	NO	CHEVY / CAMERO				GOOD	
109	G51329	2002	SPORTS CAR	SHOW UNIT	NO	CHEVY / CAMERO			77,653	GOOD	
110	G76422	2009	SEDAN	PATROL	YES	CHEVY / IMPALA	MICHEAL DELGADO		32,523	GOOD	
111	601 MZD	2002	SEDAN	U/C UNIT	YES	DODGE / STRATUS			161,764	POOR	REPLACE
112	505 NJB	2004	SEDAN	FORENSIC COMPUTER	NO	CHEVY / IMPALA			137,241	FAIR	
113	808 NJA	2004	SEDAN	EVIDENCE	YES	CHEVY / IMPALA			112,750	FAIR	
114	G79247	1989	ARMORED UNIT	SWAT	NO	KOVATCH / TRUCK			5,871	FAIR	
115	JRB 913	2007	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	ADAN MENDOZA		89,316	GOOD	
116	FHM 794	2004	SEDAN	U/C UNIT	YES	CHEVY / IMPALA			116,253	FAIR	
117	G22740	1996	SUV	DWI TRUCK	NO	FORD / BRONCO			117,515	FAIR	
118	G2022	2007	SEDAN	PATROL	YES	CHEVY / IMPALA			79,915	FAIR	
119	G74438	2008	SEDAN	TRANSPORTS	YES	CHEVY / IMPALA	JEFF JACQUEZ		85,582	GOOD	
120	JRD 037	2007	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	DONALD ROMERO		53,039	GOOD	
121	G74437	2008	SEDAN	PATROL / DWI	YES	CHEVY / IMPALA	TOTALLED				REPLACE
122	G79213	2010	SEDAN	COMMUNITY SUPPORT	YES	CHEVY / IMPALA	WILLIAM PACHECO		6,683	GOOD	
123	G79210	2010	SEDAN	TRANSPORTS	YES	CHEVY / IMPALA	JOSE RODRIGUEZ		29,885	GOOD	
124	G7956	2007	SUV	PATROL	YES	DODGE / DURANGO			80,936	GOOD	
125	153 NMM	2002	SEDAN	ADMIN	NO	DODGE / STRATUS			10,437	FAIR	
126	G34457		TRAILER	ANIMAL CONTROL	NO	GM / STOCK TRL					
127	212 MZC	2002	SEDAN	PAPER RUN	NO	DODGE / STRATUS			117,936	POOR	REPLACE
128	G76100	2002	SEDAN	U/C UNIT	YES	DODGE / STRATUS	RECORDS/ADMIN		104,199	FAIR	
129	G70557	2007	SUV	PATROL	YES	DODGE / DURANGO	ANNA BIONDO		118,700	FAIR	
130	999 MYS	2002	SUV	U/C UNIT	YES	DODGE / DURANGO			138,581	POOR	REPLACE
131	G44822	2000	VAN	CRIME SCENE VAN	NO	FORD / E-350			4,053	GOOD	
132	G47157	2001	SEDAN	PATROL	YES	FORD / CRN VIC				POOR	REPLACE
133	G74435	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	PAUL GARCIA		99,000	GOOD	
134	G74434	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	SHANNON COLES		57,956	GOOD	
135	G79214	2010	SEDAN	COMMUNITY SUPPORT	YES	CHEVY / IMPALA	RONNIE VIARREAL		28,204	GOOD	
136	G70555	2007	SUV	PATROL	YES	DODGE / DURANGO	GABE CEBADA		105,662	GOOD	
137	G74433	2008	SEDAN	PATROL	YES	CHEVY / IMPALA	CHRIS ARCHULETA		99,800	GOOD	
138	560383	2002	SUV	PATROL	YES	DODGE / DURANGO			191,506	POOR	REPLACE
139	G50384	2002	SUV	PATROL	YES	DODGE / DURANGO			146,416	POOR	REPLACE
140	G76423	2009	SEDAN	PATROL	YES	CHEVY / IMPALA	EDWARD MEDINA		53,076	GOOD	
141	KXS 402	2008	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	RICAHARD SISNEROS		46,135	GOOD	
142	004 PMP	2009	SEDAN	ADMIN	YES	CHEVY / IMPALA	KEN JOHNSON		29,000	GOOD	
143	KXR 719	2009	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	DEBRA ANAYA		22,950	GOOD	
144	G77359	2009	SUV	PATROL	YES	FORD / EXPLORER	RAYMOND VILLANUEVA		71,309	GOOD	
145	G77747	2009	TRUCK	TRANSPORT	NO	GMC / TC5500			2,466	GOOD	
146	G79211	2010	SEDAN	PATROL	YES	CHEVY / IMPALA	GERALD LOVATO		25,980	GOOD	
147	G79206	2010	SEDAN	PATROL	YES	CHEVY / IMPALA	JULIE YORK		37,143	GOOD	
148	G79205	2010	SEDAN	PATROL	YES	CHEVY / IMPALA	MIKE MARTINEZ		25,248	GOOD	
149	374 PMX	2010	SEDAN	U/C UNIT	YES	CHEVY / IMPALA	DAVID JARAMILLO		18,425	GOOD	
150	049 MFR	2010	SUV	ADMIN	YES	FORD / EXPLORER	ROBERT RIGGS		38,000	GOOD	
151	G81151	2010	SUV	PATROL	YES	FORD / EXPLORER	TIMETO BENAVIDEZ		21,370	GOOD	
152	G81152	2010	SUV	PATROL	YES	FORD / EXPLORER	KURT WHYTE		14,518	GOOD	
153	629 NHH	2008	TRUCK	U/C UNIT	NO	GMC / SIERRA					
154	G82242	2011	LARGE TRUCK	SWAT	NO	INTERNATIONAL			1,500	GOOD	
									TOTAL FY	2012	\$1,196,000

* Vehicle Condition: Good, Fair, Poor

* Includes all emergency equipment, radio, and jotto desk for MDT

^e.g. sedan, pickup, van, trailer, grader, fire, ambulance
 ^^ e.g. appraisal, patrol, inmate trans, staff trans, road work, fire, medical
 Currently or will become trailers after 6/30/09 vehicles are replaced.

**SANTA FE COUNTY
FISCAL YEAR 11-12
CAPITAL PACKAGE REQUESTS BY FUND**

FUND	EXPENSE ACCOUNT	DESCRIPTION	FINAL BUDGET	EXPENDED TO DATE	REMAINING BUDGET	NOTES
GENERAL FUND County Sheriff						
	246-1201-424-80.03	EQUIPMENT & MACHINERY	\$ 6,500	\$ -	\$ 6,500	
		req# 125453 / NMEP - emergency equipment for (14) vehicles submitted on req# 125426 - total purchase @ \$127,556.92. req# 125445 / DON CHALMERS FORD - purchase (4) Ford Interceptors - SUV(S) @ \$104,252.00. req# 125426 / DON CHALMERS FORD - purchase (14) Ford Interceptor - SEDAN(S) @ \$317,088.00.				
	246-1201-424-80.09	VEHICLES	\$ 627,809	\$ 546,855	\$ 78,914	
	246-1201-424-80.15	COMPUTERS & PERIPHERALS	\$ 38,340	\$ -	\$ 38,340	
	246-1201-424-80.95	INVENTORY EXEMPT-COMPUTER	\$	\$ 138	\$ (138)	
	246-1201-424-80.99	INVENTORY EXEMPT	\$ 15,252	\$ 9,984	\$ 5,268	PO# 124553/Brownells - for (1) detachable carry handle for AR-15 assault rifle @ \$88.94 - Incl. s/f. PO# 124594/Taser International for (4) Tasers totalling \$2794.85
			\$ 687,901	\$ 559,017	\$ 128,884	

Requisitions - amount are immediately deducted from balance.



State of New Mexico
General Services Department
Purchasing Division

Statewide Price Agreement Amendment

Awarded Vendor
(AA) 0000009746
AEP NM
dba New Mexico Emergency Products
4210 2nd St. NW
Albuquerque, NM 87107

Telephone No. 505-242-9111

Price Agreement Number: 11-000-00-00014AA

Price Agreement Amendment No.: One

Term: August 1, 2011 Thru February 6, 2013

Ship To:
All State of New Mexico agencies, commissions,
institutions, political subdivisions and local public bodies
allowed by law.

Procurement Specialist: Sandra Lujan *sl*

Telephone No.: (505) 827-0242

Invoice:

As Requested


Title: Vehicle Computer Stands, Consoles, Modems and Accessories

This Price Agreement Amendment is to be attached to the respective Price Agreement and become a part thereof.

In accordance with Price Agreement provisions, and by mutual agreement of all parties, this Price Agreement is extended from February 7, 2012 to February 6, 2013 at the same price, terms and conditions.

Except as modified by this amendment, the provisions of the Price Agreement shall remain in full force and effect.

Accepted for the State of New Mexico



New Mexico State Purchasing Agent

Date: 11/29/11

Purchasing Division, 1100 St. Francis Drive 87505, PO Box 6850, Santa Fe, NM 87502-6850 (505) 827-0472



State of New Mexico
General Services Department
Statewide Price Agreement

Awarded Vendor

0000009746
AEP NM
dba New Mexico Emergency Products
4210 2nd St. NW
Albuquerque, NM 87107

Telephone No. (505) 242-9111

Price Agreement Number: 11-000-00-00014AA

Payment Terms: Net 30

F.O.B.: Destination

Delivery: 30 days ARO

Ship To:

All State of New Mexico agencies, commissions,
institutions, political subdivisions and local public bodies
allowed by law.

Procurement Specialist: Sandra Lujan SL

Telephone No.: (505) 827-0242

Invoice:

Statewide

Title: **Vehicle Computer Stands, Consoles, Modems, and Accessories**

Term: **August 1, 2011 thru February 6, 2012**

This Price Agreement is made subject to the "terms and conditions" shown on the reverse side of this page, and as indicated in this Price Agreement.

Accepted for the State of New Mexico

New Mexico State Purchasing Agent

Date: 7/25/2011

Purchasing Division, 1100 St. Francis Drive, PO Box 6850, Santa Fe, NM 87502-6850 (505) 827-0472

State of New Mexico
General Services Department
Purchasing Division
Price Agreement #: 11-000-00-00014AA

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Terms and Conditions
(Unless otherwise specified)

1. **General:** When the State Purchasing Agent or his/her designee issues a purchase document in response to the Vendor's bid, a binding contract is created.
2. **Variation in Quantity:** No variation in the quantity of any item called for by this order will be accepted unless such variation has been caused by conditions of loading, shipping, packing or allowances in manufacturing process and then only to the extent, if any, specified in this order.
3. **Assignment:**
 - a. Neither the order, nor any interest therein, nor any claim thereunder, shall be assigned or transferred by the Vendor, except as set forth in Subparagraph 3b or as expressly authorized in writing by the State Purchasing Agent or his/her designee. No such assignment or transfer shall relieve the Vendor from the obligations and liabilities under this order.
 - b. Vendor agrees that any and all claims for overcharge resulting from antitrust violations which are borne by the State as to goods, services, and materials purchased in connection with this bid are hereby assigned to the State.
4. **State Furnished Property:** State furnished property shall be returned to the State upon request in the same condition as received except for ordinary wear, tear and modifications ordered hereunder.
5. **Discounts:** Prompt payment discounts will not be considered in computing the low bid. Discounts for payment within twenty (20) days will be considered after the award of the contract. Discounted time will be computed from the date of receipt of the merchandise invoice, whichever is later.
6. **Inspection:** Final inspection and acceptance will be made at the destination. Supplies rejected at the destination for nonconformance with specifications shall be removed at the Vendor's risk and expense, promptly after notice of rejection.
7. **Inspection of Plant:** The State Purchasing Agent or his/her designee may inspect, at any reasonable time, the part of the Contractor's, or any subcontractor's plant or place of business, which is related to the performance of this contract.
8. **Commercial Warranty:** The Vendor agrees that the supplies or services furnished under this order shall be covered by the most favorable commercial warranties the Vendor gives for such to any customer for such supplies or services. The rights and remedies provided herein shall extend to the State and are in addition to and do not limit any rights afforded to the State by any other clause of this order. Vendor agrees not to disclaim warranties of fitness for a particular purpose of merchantability.
9. **Taxes:** The unit price shall exclude all state taxes.
10. **Packing, Shipping and Invoicing:**
 - a. The State's purchasing document number and the Vendor's name, user's name and location shall be shown on each packing and delivery ticket, package, bill of lading and other correspondence in connection with the shipments. The user's count will be accepted by the Vendor as final and conclusive on all shipments not accompanied by a packing ticket.
 - b. The Vendor's invoice shall be submitted duly certified and shall contain the following information: order number, description of supplies or services, quantities, unit price and extended totals. Separate invoices shall be rendered for each and every complete shipment.
 - c. Invoices must be submitted to the using agency and NOT the State Purchasing Agent.

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11. **Default:** The State reserves the right to cancel all or any part of this order without cost to the State, if the Vendor fails to meet the provisions of this order and, except as otherwise provided herein, to hold the Vendor liable for any excess cost occasioned by the State due to the Vendor's default. The Vendor shall not be liable for any excess costs if failure to perform the order arises out of causes beyond the control and without the fault or negligence of the Vendor, such causes include but are not restricted to, acts of God or the public enemy, acts of the State or Federal Government, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather and defaults of subcontractors due to any of the above, unless the State shall determine that the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Vendor to meet the required delivery scheduled. The rights of the State provided in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law or under this order.

12. **Non-Collusion:** In signing this bid the Vendor certifies he/she has not, either directly or indirectly, entered into action in restraint of free competitive bidding in connection with this offer submitted to the State Purchasing Agent or his/her designee.

13. **Nondiscrimination:** Vendor doing business with the State of New Mexico must be in compliance with the Federal Civil Rights Act of 1964 and Title VII of the Act (Rev. 1979) and the Americans with Disabilities Act of 1990 (Public Law 101-336).

14. **The Procurement Code:** Sections 13-1-28 through 13-1-99 NMSA 1978, imposes civil and criminal penalties for its violation. In addition the New Mexico criminal statutes impose felony penalties for bribes, gratuities and kickbacks.

15. All bid items are to be NEW and of most current production, unless otherwise specified.

16. **Payment for Purchases:** Except as otherwise agreed to: late payment charges may be assessed against the user state agency in the amount and under the conditions set forth in Section 13-1-158 NMSA 1978.

17. **Workers' Compensation:** The Contractor agrees to comply with state laws and rules pertaining to Workers' Compensation benefits for its employees. If the Contractor fails to comply with Workers' Compensation Act and applicable rules when required to do so, this Agreement may be terminated by the contracting agency.

18. Bids must be submitted in a sealed envelope with the bid number and opening date clearly indicated on the bottom left hand side of the front of the envelope. Failure to label bid envelope will necessitate the premature opening of the bid in order to identify the bid number.

New Mexico Employees Health Coverage

A. If Contractor has or grows to six (6) or more employees who work or who are expected to work an average of at least twenty (20) hours per week over a six (6) month period during the term of the contract, Contractor certifies, by signing this agreement, to have in place and agree to maintain for the term of the contract health insurance for those employees and offer that health insurance to those employees no later than July 1, 2010, if the expected annual value in the aggregate of any and all contracts between Contractor and the State exceed two hundred fifty thousand dollars (\$250,000).

B. Contractor agrees to maintain a record of the number of employees who have (a) accepted health insurance; (b) declined health insurance due to other health insurance coverage already in place; or (c) declined health insurance for other reasons. These records are subject to review and audit by a representative of the State.

C. Contractor agrees to advise all employees of the availability of State publicly financed health care coverage programs by providing each employee with, as a minimum, the following website link for additional information:

<http://insurenwnewmexico.state.nm.us/>

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New Mexico Pay Equity Initiative

Contractor agrees, if it has ten (10) or more New Mexico employees OR eight (8) or more employees in the same job classification, at any time during the term of this contract, to complete and submit the PE10-249 form on the annual anniversary of the initial report submittal for contracts up to one (1) year in duration. If contractor has (250) or more employees, contractor must complete and submit the PE250 form on the annual anniversary of the initial report submittal for contracts that are up to one (1) year in duration. For contracts that extend beyond one (1) calendar year, or are extended beyond one (1) calendar year, contractor also agrees to complete and submit the PE10-249 or PE250 form, whichever is applicable, within thirty (30) days of the annual contract anniversary date of the initial submittal date or, if more than 180 days has elapsed since submittal of the last report, at the completion of the contract, whichever comes first. Should contractor not meet the size requirement for reporting at contract award but subsequently grows such that they meet or exceed the size requirement for reporting, contractor agrees to provide the required report within ninety (90) days of meeting or exceeding the size requirement. That submittal date shall serve as the basis for submittals required thereafter.

Contractor also agrees to levy this requirement on any subcontractor(s) performing more than 10% of the dollar value of this contract if said subcontractor(s) meets, or grows to meet, the stated employee size thresholds during the term of the contract. Contractor further agrees that, should one or more subcontractor not meet the size requirement for reporting at contract award but subsequently grows such that they meet or exceed the size requirement for reporting, contractor will submit the required report, for each such subcontractor, within ninety (90) days of that subcontractor meeting or exceeding the size requirement. Subsequent report submittals, on behalf of each such subcontractor, shall be due on the annual anniversary of the initial report submittal. Contractor shall submit the required form(s) to the State Purchasing Division of the General Services Department, and other departments as may be determined, on behalf of the applicable subcontractor(s) in accordance with the schedule contained in this paragraph. Contractor acknowledges that this subcontractor requirement applies even though contractor itself may not meet the size requirement for reporting and be required to report it self.

Notwithstanding the foregoing, if this Contract was procured pursuant to a solicitation, and if Contractor has already submitted the required report accompanying their response to such solicitation, the report does not need to be re-submitted with this Agreement.

The PE10-249 and PE250 worksheet is available at the following website:
<http://www.generalservices.state.nm.us/spd/guidance.doc>

Statewide Price Agreement

Article I – Statement of Work

Under the terms and conditions of this Price Agreement all State of New Mexico agencies, commissions, institutions, political subdivisions and local bodies allowed by law may issue orders for items and/or services described herein. The terms and conditions of this Price Agreement shall form a part of each order issued hereunder.

The items and/or services to be ordered shall be as listed under Article IX - Price Schedule. All orders issued hereunder will bear both an order number and this Price Agreement number. It is understood that no guarantee or warranty is made or implied by the New Mexico State Purchasing Agent, his/her designee or the user that any order for any definite quantity will be issued under this Price Agreement. The Contractor is required to accept the order and furnish the items and/or services in accordance with the articles contained hereunder for the quantity of each order.

Article II – Term

The term of this Price Agreement, for issuance of orders, shall be as indicated in the specifications.

Article III – Specifications

Items and/or services furnished hereunder shall conform to the requirements of specifications and/or drawings applicable to items listed under Article IX-Price Schedule. Orders issued against this schedule will show the applicable Price Agreement item(s), number(s), and price(s); however they may not describe the item(s) fully.

Article IV – Shipping and Billing Instructions

Contractor shall ship in accordance with the following instructions: Shipment shall be made only against specific orders which the user may place with the Contractor during the term; The Contractor shall enclose a packing list with each shipment listing the order number, price agreement number and the commercial parts number (if any) for each item; Delivery shall be made as indicated on page 1. If vendor is unable to meet stated delivery the State Purchasing Agent or his/her designee must be notified.

Article V – Termination

This Price Agreement may be terminated by either signing party upon written notice to the other at least thirty (30) days in advance of the date of termination. Notice of termination of the price agreement shall not affect any outstanding orders.

Article VI – Amendment

This Price Agreement may be amended by mutual agreement of the New Mexico State Purchasing Agent or his/her designee and the Contractor upon written notice by either party to the other. An amendment to this Price Agreement shall not affect any outstanding orders issued prior to the effective date of the amendment as mutually agreed upon, and as published by the New Mexico State Purchasing Agent or his/her designee. Amendments affecting price adjustments and/or the extension of a price agreement expiration date are not allowed unless specifically provided in the bid and price agreement specifications.

Article VII – Issuance of Orders

Only written signed orders are valid under this Price Agreement.

Article VIII – Packing (if applicable)

Packing shall be in conformance with standard commercial practices.

Article IX – Price Schedule

Prices as listed in the price schedule hereto attached are firm.

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To establish a statewide Price Agreement for Vehicle Computer Stands, Consoles, Modems and Accessories.

The term of this price agreement shall be date of award thru February 6, 2012 with an option to extend for a period of up to three (3) additional years, on a year-by-year basis, by mutual agreement of all parties and approval of the New Mexico State Purchasing Director at the same price, terms, and conditions. This agreement shall not exceed four (4) years.

The purpose of the specifications is to establish an acceptable product to be installed in New Mexico State Police and other law enforcement vehicles. These computer stands, consoles, modems and accessories will provide a secure docking solution for the computer aided dispatch (CAD) system.

Bidders must submit proof of factory approved distributor. Failure to supply proof with bid will be basis for disqualification.

Computer stands:

Only complete computer stands, with brackets and hardware, will be accepted. Items must be standard production items and may not be specially built for this bid. Bids must be for the complete unit that includes the adjustable major portion of the computer stand. Units must be packaged to protect the stand. Brackets and hardware.

Specifications:

1. The stand must contain the base plate, mounting pole, docking tray, and accessories (i.e. cup holder,
2. Arm rest map light, accessory power supply, brackets and hardware).
3. The computer stand must be designed for proper fit in police pursuit vehicles.
4. Bidders must provide a separate bid for each Police Vehicle (Ford, Chevy and Chrysler).

Product reference: must meet above specifications or approved equivalent product.

Average order 60-100 each per year

Consoles:

Consoles must contain, protect wiring and equipment installed in the equipment consoles. (installed equipment to include but not limited to, lighting controls, siren, radio, and other controls as applicable).

Only complete consoles, with faceplates, brackets and hardware, will be accepted. Items must be standard production items and may not be specially built for this bid. Bids must be for the complete unit that includes the adjustable major portion of the consoles. Units must be packaged to protect the console, faceplates, brackets and hardware.

Specifications:

1. The console must contain heavy duty material to withstand police use,.
2. The console must designed for proper fit in police pursuit vehicles and must be compatible with the
3. computer stand.
4. The console must contain the faceplates, brackets and hardware
5. Bidders must provide a separate bid for each Police Vehicle (ford, Chevy and Chrysler).

Product reference: must meet above specifications or approved equivalent product.

Average order 60-100 each per year

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Modems:

Only complete modems, with connecting cables and mounting hardware, will be accepted. Items must be standard production items and may not be specially built for this bid. Bids must be for the complete unit that includes the adjustable major portion of the modem. Units must be individually packaged to protect the modem, cables and hardware.

Specifications:

1. The modem must contain an Ethernet Interface with DC power cable.
2. The modem antenna must be dual band and bolt mount.
3. The modem must come with all needed Ethernet Cables and hardware.

Product reference: must meet above specifications or approved equivalent product.

Average order 60-100 each per year

Vendors must submit descriptive literature with bid or bid will be disqualified.

Please note: Vendors must bid specifically as requested in bid specifications.

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Item	Approx Qty	Unit	Article and Description	Unit Price
001		Ea	Computer Stand and Console (Ford Sedan) Manufacturer: Gamber Johnson	
			Crown VIC floor mounting base for pole assembly	\$57.64
			8.5" Adjustable pole with locking handle	\$28.00
			9" to 15" slide tray motion device	7160-0177 \$41.17
				7160-0220 \$161.95
			Tilt swivel device for mounting to top of 305 device	Included in 7160-0220
			Heavy duty side support arm	\$35.68
			Heavy duty lock assembly for the 305 device	Included in 7160-0220
			Dock for CF-30 and CF31 Panasonic computer	\$639.16
			120 watt power supply	Included in 7160-0318-04
			Charge guard power management for lap top	\$73.20
			Screen support	\$28.00
			Map light for computer/mounts to screen support	\$57.10
			Horizontal 18" console	\$172.39
			Equipment bracket for DEK mini Motorola	Included
			Equipment bracket for Motorola Astro Digital W-9	Included
			Equipment bracket for Whelen CEN CAM siren controller	Included
			1" filler plate	Included
			Lighter plug power outlets	\$10.98
			Cup holder internal mount	\$28.00
			Arm rest external mount large PAD/FLIP UP/ADJUSTABLE	\$88.94
			8" Wide tunnel plate with hump brackets	\$46.12
			Bail bracket for mounting console to track	\$37.88
			Total	\$1,506.21
			Option for Kenwood Mobile Radio	
			Radio bracket for Kenwood Radio	Included
			5" Filler Plate	Included

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Item	Approx Qty	Unit	Article and Description	Unit Price
003		Ea	Computer Stand and Console (Ford F-150) Manufacturer: Gamber Johnson	
			Ford F150 floor mounting base for pole assembly	\$62.59
			8.5" Adjustable pole with locking handle	DS-Lower-9 \$28.00
				7160-0178 \$41.17
			9" to 15" slide tray motion device	\$161.95
			Tilt swivel device for mounting to top of 305 device	Included with 7160- 0220
			Heavy duty side support arm	\$35.68
			Heavy duty lock assembly for the 305 device	Included with 7160- 0220
			Dock for CF-30 and CF31 Panasonic computer	\$639.16
			120 watt power supply	Included with 7160- 0318-04
			Charge guard power management for lap top	\$73.20
			Screen support	\$28.00
			Map light for computer/mounts to screen support	\$57.10
			Horizontal 18" console	\$172.39
			Equipment bracket for DEK mini Motorola	Included
			Equipment bracket for Motorola Astro Digital W-9	Included
			Equipment bracket for Whelen CEN CAM siren controller	Included
			1" filler plate	Included
			Lighter plug power outlets	\$10.98
			Cup holder internal mount	\$28.00
			Arm rest external mount large PAD/FLIP UP/ADJUSTABLE	\$88.94
			8" Wide tunnel plate with hump brackets	\$46.12
			Bail bracket for mounting console to track	\$51.61
			Total	\$1,524.89
			Option for Kenwood Mobile Radio	
			Radio bracket for Kenwood Radio	Included
			5" Filler Plate	Included

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Item	Approx Qty	Unit	Article and Description	Unit Price
004		Ea	Computer Stand and Console (Chevy Sedan) Manufacturer: Gamber Johnson	
			Impala floor mounting base for pole assembly	\$81.80
			8.5" Adjustable pole with locking handle	7160-0177 \$41.17
				DS-Lower-7 \$28.00
			9" to 15" slide tray motion device	\$161.95
			Tilt swivel device for mounting to top of 305 device	Included with 7160- 0220
			Heavy duty side support arm	\$35.68
			Heavy duty lock assembly for the 305 device	Included with 7160- 0220
			Dock for CF-30 and CF31 Panasonic computer	\$639.16
			120 watt power supply	Included with 7160- 0318-04
			Charge guard power management for lap top	\$73.20
			Screen support	\$28.00
			Map light for computer/mounts to screen support	\$57.10
			Horizontal 18" console	\$172.39
			Equipment bracket for DEK mini Motorola	Included
			Equipment bracket for Motorola Astro Digital W-9	Included
			Equipment bracket for Whelen CEN CAM siren controller	Included
			1" filler plate	Included
			Lighter plug power outlets	\$10.98
			Cup holder internal mount	\$28.00
			Arm rest external mount large PAD/FLIP UP/ADJUSTABLE	\$88.94
			8" Wide tunnel plate with hump brackets	\$46.12
			Bail bracket for mounting console to track	\$59.84
			Total	\$1,552.33
			Option for Kenwood Mobile Radio	
			Radio bracket for Kenwood Radio	Included
			5" Filler Plate	Included

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Item	Approx Qty	Unit	Article and Description	Unit Price
005		Ea	Computer Stand and Console (Chevy Tahoe) Manufacturer: Gamber Johnson	
			Tahoe floor mounting base for pole assembly	\$62.59
			8.5" Adjustable pole with locking handle	DS-Lower-7 \$28.00 7160-0177 \$41.17
			9" to 15" slide tray motion device	\$161.95
			Tilt swivel device for mounting to top of 305 device	Included with 7160- 0220
			Heavy duty side support arm	\$35.68
			Heavy duty lock assembly for the 305 device	Included with 7160- 0220
			Dock for CF-30 and CF31 Panasonic computer	\$639.16
			120 watt power supply	Included with 7160- 0318-04
			Charge guard power management for lap top	\$73.20
			Screen support	\$28.00
			Map light for computer/mounts to screen support	\$57.10
			Horizontal 18" console	\$172.39
			Equipment bracket for DEK mini Motorola	Included
			Equipment bracket for Motorola Astro Digital W-9	Included
			Equipment bracket for Whelen CEN CAM siren controller	Included
			1" filler plate	Included
			Lighter plug power outlets	\$10.98
			Cup holder internal mount	\$28.00
			Arm rest external mount large PAD/FLIP UP/ADJUSTABLE	\$88.94
			8" Wide tunnel plate with hump brackets	\$46.11
			Bail bracket for mounting console to track	\$79.06
			Total	\$1,552.33
			Option for Kenwood Mobile Radio	
			Radio bracket for Kenwood Radio	Included
			5" Filler Plate	Included

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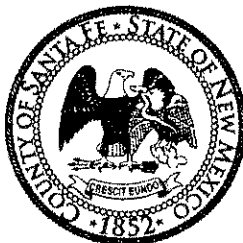
Item	Approx Qty	Unit	Article and Description	Unit Price
007		Ea	Modems Manufacturer: Real Time Ops	\$764.05
008		Ea	Discount offered on current catalog list price Manufacturer: Code 3 – 40% Federal Signal – 35% Whelen – 30% Nova – 35% Jotto Desk – 20% Sound Off – 40 % Setina – 20% Patriot Products USA – 20% Laguna Manufacturing – 10% Gamber Johnson – 35% Kodiac – 20% Ledco – 20% StreamLight – 25% Tremco – 10% Unity – 25% Sho-me/Able 2 – 25% Havis – 20% Go Rhino – 20% Truck Vault – 10% Tomar – 25% Warn Industries – 20% PSE Amber – 40% Pelican – 10% Patrol Power – 10% AOI Electrical – 10% American Aluminum – 5% Littlite – 10% Copeland – 5% Labor Rate - \$65.00/hr	

*** 6 Items Awarded***

Daniel "Danny" Mayfield
Commissioner, District 1

Virginia Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3




Kathy Holian
Commissioner, District 4


Elizabeth Stefanics
Commissioner, District 5

Katherine Miller
County Manager

Memorandum

TO: Santa Fe County Board of County Commissioners

FROM: David Sperling, Interim Fire Chief 

VIA: Pablo Sedillo, Public Safety Director 

DATE: February 8, 2012

SUBJECT: Request a waiver from Section 1 of Ordinance No. 2010-8 to purchase a pumper fire apparatus for the Eldorado Fire District in the amount of \$344,190.00 utilizing the Houston-Galveston Area Council (HGAC) cooperative purchasing agreement.

ISSUE:

The Santa Fe County Purchasing Division requests waiver from Section 1 of Ordinance No. 2010-8 to purchase a Pumper Fire Apparatus.

BACKGROUND:

The Fire Department has identified a need to purchase a Pumper Fire Apparatus for the Eldorado Fire District. This need is identified in the Fire Department's Five Year Plan 2010-2014. The Fire Apparatus is manufactured by KME at a cost of \$344,190.00, which exceeds the \$100,000.00 threshold established by Santa Fe County Ordinance No. 2010-8. The funds for this purchase are derived from the 209 New Mexico State Fire Protection Fund/Eldorado Fire District.

The design of this fire truck has been carefully managed by the Fire Department's Apparatus Specifications Committee. The volunteer and career members of the Specifications Committee spent many hours conducting research and designing a vehicle that is safe, durable, cost effective, and provides some consistency with our existing fleet. This consistency provides a great benefit in managing service, repairs, and training. This fire truck will meet the needs of the Fire Department and Santa Fe County for many years to come.

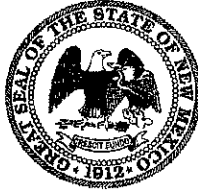
RECOMMENDATION:

The Fire Department requests the Board of County Commissioners approve a waiver from Section 1 of Ordinance 2010-8 in order to purchase this Pumper Fire Apparatus utilizing the Houston-Galveston Area Council (HGAC) purchasing agreement. The HGAC is a governmental purchasing agreement that was instituted to reduce the burden of procurement on local governments and has been approved by the State of New Mexico Procurement Department for use by New Mexico Counties. The Santa Fe County Fire Department has used HGAC to make similar apparatus purchases in the recent past.

NEW MEXICO PUBLIC REGULATION COMMISSION

COMMISSIONERS

DISTRICT 1 JASON MARKS
DISTRICT 2 PATRICK H. LYONS, CHAIRMAN
DISTRICT 3 DOUGLAS J. HOWE
DISTRICT 4 THERESA BECENTI-AGUILAR, VICE CHAIR
DISTRICT 5 BEN L. HALL



P.O. Box 1269
1120 Paseo de Peralta
Santa Fe, NM 87504-1269

CHIEF OF STAFF

Johnny L. Montoya

State Fire Marshal Division
John Standefer, State Fire Marshal
800-244-6702 (in state only)
505-476-0666
Fax 505-476-0100

January 17, 2012

Mr. Dave Sperling, Interim Chief
Santa Fe County, Fire Department
#35 Camino Justicia
Santa Fe, New Mexico 87508

Chief Sperling:

The specifications you submitted on January 13, 2012 for the purchase of a 2012 class A engine has been reviewed and are approved. The El Dorado Fire Department is authorized to use fire protection Fund monies for the purchase of this apparatus. Please be advised the standards for the apparatus shall comply with **NFPA 1901** Standards for Automotive Fire Apparatus 2009 Edition. The Fire Station **shall** have the adequate space needed to properly house this apparatus.

"This letter shall serve as approval to expend fire protection fund monies to finance the cost of the Class A Engine. The El Dorado Fire Department is currently and ISO rating of 3 with a minimum yearly Fire Protection Fund Allocation of \$ 194,253.00"

If there are any major changes in the specifications that are made prior to bidding procedures, this office must approve the changes or this authorization of expenditure shall be rendered null and void.

If you anticipate a loan, I recommend that you contact the New Mexico Finance Authority {NMFA} at 505-984-1454 to finance the vehicle. A loan through NMFA will be at minimal interest. This letter shall serve as authorization for you to enter into an agreement with NMFA for the commitment of fire protection fund monies.

For future references, please be reminded that all purchases shall be accomplished in accordance with the policies and guidelines of your governing body, the provisions of the Public Purchase Act, and as approved by the New Mexico Department of Finance and Administration.

If you have any question with this report please do not hesitate to contact me at 505-690-9312.

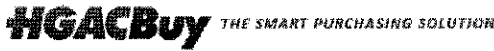
Sincerely,

A handwritten signature in cursive script that reads "Randy J. Varela".

Randy J. Varela
Fire Department Inspector

XC Mr. Vernon Muller, Deputy Fire Marshal
Mr. Steve Moya, Assistant Chief
Mr. Steve Tapke, Fire Chief
File

209-0832-422-8009



GENERAL PURPOSE & EMERGENCY VEHICLES	COMMUNICATIONS EQUIPMENT & SERVICES	GROUPS FACILITIES & PARKS EQUIPMENT	PUBLIC WORKS EQUIPMENT	EMERGENCY EQUIPMENT & SUPPLIES	CONSULTING LEASING & STAFFING SERVICES	EMERGENCY PREPAREDNESS & DISASTER RECOVERY
COOPERATIVE ENERGY & FLEET FUEL						

You are here: Home > Fire Service Apparatus

GENERAL PURPOSE & EMERGENCY VEHICLES

FIRE SERVICE APPARATUS

Contract No.: FS12-11

Effective Date: Dec 1, 2011 thru Nov 30, 2013

The table below shows base bid items only. Other configurations, options and accessories are available thru our contract. Please consult the appropriate contractor for a specific, written H-GAC contract price quote.

NOTE: Manufacturers and converters cannot sell direct in Texas. Texas Members should contact the in-state contractor/dealer. Members in other states should contact the manufacturer or converter if a dealer is not specified for their state.

- American LaFrance
- Blanchat Manufacturing
- Rosenbauer South Dakota LLC
- Crimson
- Custom Fire
- Daco
- Danko
- Darley
- Emergency One (E-One)
- Deep South
- Ferrara
- Rosenbauer Minnesota LLC
- KME
- Marlon
- Metro Fire Apparatus Specialists, Inc.
- Nesl Fire Equipment
- Nevada Pacific Fire & Safety Inc.
- OshKosh
- Pierce
- Rosenbauer
- Seagrave
- Smeal
- Toyne
- Super Vac
- Sutphen Corporation (Sutphen)
- U. S. Tanker

American LaFrance

Contractors:

American LaFrance, LLC (Mfr.)
Houston Freightliner, Inc. (Dealer - TX)

Product Code	Model & Description	Base Price
A. Aerials (Booms/Platforms, Ladders, Ladder/Platforms)		
AA01	American LaFrance Eagle, 4-Door, Tilt Cab, Formed Aluminum Body, Single Axle, 65' Aluminum, Rear Mount, Telescoping Ladder, TeleSquirt	\$569,246.00
AA02	American LaFrance Eagle, 4-Door, Tilt Cab, Formed Aluminum Body, Single Axle, 75' Rear Mount, Telescoping Ladder, 500lb	\$588,219.00
AA03	Freightliner M2, 4-Door, Formed Aluminum Body, Tandem Axle, 75' Steel Rear Mount Telescoping Ladder, 500lb	\$543,326.00
AA04	American LaFrance Eagle 4 Door Tilt Cab, Formed Aluminum Body, Tandem Axle, 75' Rear-Mount, Telescoping Ladder, 500lb	\$637,194.00
AA05	American LaFrance Eagle 4-Door Tilt Cab, Formed Aluminum Body, Tandem Axle, 100' Rear-Mount, Telescoping Ladder, 500lb	\$748,970.00
AA06	American LaFrance Eagle 4-Door Tilt Cab, Formed Aluminum Body, Tandem Axle, 100' Steel, Rear Mount, Telescoping Ladder Platform 1000 lb	\$798,430.00
AA07	American LaFrance Eagle 4_door Tilt Cab, Formed Aluminum Body, Tandem	\$890,384.00

H-GAC CONTACTS

Palmer Jackie
(P): 713-993-2466
(F): 713-993-4548
jackie.palmer@h-gac.com

VENDOR CONTACTS

- **AAA Firepro Inc**
Glen Ray Williams
(P): 575-762-2594
(F): 575-762-1464
[Click here for Email](#)
- **Absolute Fire Protection Co. Inc.**
Michael J. Pizio
(P): 908-757-3600
(F): 908-757-3616
[Click here for Email](#)
- **Advantech Service and Parts, LLC**
Scott Carlisle
(P): 740-922-2727
(F): 740-922-9337
[Click here for Email](#)
- **Allegiant Emergency Services, Inc.**
Mark Brenneman
(P): 866-602-5199
(F): 866-602-5199
[Click here for Email](#)
- **AllStar Fire Equipment Inc.**
Gabe Sayegh
(P): 626-652-0900
(F): 626-652-0920
[Click here for Email](#)
- **American LaFrance, LLC**
Randy Hummer
(P): 843-486-7504
(F): 843-486-7580
[Click here for Email Additional Contacts](#)
- **Antietam Fire Apparatus, Inc.**
W. Kyd Dieterich
(P): 301-797-1410
(F): 301-797-1412
[Click here for Email](#)
- **Artesia Fire Equipment, Inc.**
Marshall Davis
(P): 800-748-2076
(F): 575-748-1128
[Click here for Email](#)
- **Atlantic Emergency Solutions, Inc.**
Joseph Pack
(P): 800-442-9700
(F): 703-257-2572
[Click here for Email](#)
- **Banner Fire Equipment, Inc.**
Michael J. Benker
(P): 618-251-4200
(F): 618-251-6020
[Click here for Email](#)
- **Blake Fulenwider CDJ**
Kevin Monsey
(P): 325-893-1110

DC11	Rosenbauer, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 1500 GPM Pump, Side Mounted	\$311,972.00
D. Special Service Apparatus (Walk-in & Non-Walk In Bodies) Multi-use: Rescue, Re-Hab, Hazmat, Mobile Command Center		
DD01	M2 Freightliner, 2-Door, OEM Cab, Single Axle, Formed Aluminum Body, Non-Walk-In Body	\$174,365.00
DD02	IH4400, 2-Door, OEM Cab, Single Axle, Formed Aluminum Body, Non-Walk-In Body	\$179,629.00
DD03	Spartan, 4-Door, Full-Tilt, 96" Wide Aluminum Cab, Single Axle, Formed Aluminum Body, Non-Walk-In Body	\$257,337.00
DD04	Rosenbauer, 4-Door, Full-Tilt, Aluminum Cab, Single Axle, Formed Aluminum Body, Non-Walk-In Body	\$256,578.00
DD05	M2 Freightliner, 2-Door, OEM Cab, Single Axle, Formed Aluminum Body, Walk-In Body	\$199,679.00
DD06	IH4400, 2-Door, OEM Cab, Single Axle, Formed Aluminum Body, Walk-In Body	\$203,943.00
DD07	Spartan, 4-Door, Full-Tilt, 96" Wide Aluminum Cab, Single Axle, Formed Aluminum Body, Walk-In Body	\$283,586.00
DD08	Rosenbauer, 4-Door, Full-Tilt, Aluminum Cab, Single Axle, Formed Aluminum Body, Walk-In Body	\$282,606.00
DD09	Ford F-550, 2-Door, OEM Cab, Single Axle, Formed Aluminum Body, Non-Walk-In Body	\$116,082.00

E. Pumper/Tankers & Elliptical Tankers

DE01	M2 Freightliner, 2-Door, OEM Cab, Pumper/Tanker, Formed Aluminum Body, Single Axle, 1250 GPM Pump, Mid-Mounted	\$217,322.00
DE02	M2 Freightliner, 2-Door, OEM Cab, Pumper/Tanker, Formed Aluminum Body, Tandem Axle, 1250 GPM Pump, Mid-Mounted	\$222,623.00
DE03	IH4400, 2-Door, OEM Cab, Pumper/Tanker, Formed Aluminum Body, Single Axle, 1250 GPM Pump, Mid-Mounted	\$218,539.00
DE04	IH4400, 2-Door, OEM Cab, Pumper/Tanker, Formed Aluminum Body, Tandem Axle, 1250 GPM Pump, Mid-Mounted	\$228,389.00
DE05	Kenworth T300, 2-Door, OEM Cab, Pumper/Tanker, Formed Aluminum Body, Single Axle, 1250 GPM Pump, Mid-Mounted	\$222,446.00
DE06	Spartan, 4-Door, 96" Wide Full-Tilt, Aluminum Cab, Pumper/Tanker, Formed Aluminum Body, Single Axle, 1250 GPM Pump, Mid-Mounted	\$303,086.00
DE07	Spartan, 4-Door, 96" Wide Full-Tilt, Aluminum Cab, Pumper/Tanker, Formed Aluminum Body, Tandem Axle, 1250 GPM Pump, Mid-Mounted	\$319,754.00
DE08	Rosenbauer, 4-Door Full-Tilt, Aluminum Cab, Pumper/Tanker, Formed Aluminum Body, Single Axle, 1250 GPM Pump, Mid-Mounted	\$302,307.00
DE09	Rosenbauer, 4-Door Full-Tilt, Aluminum Cab, Pumper/Tanker, Formed Aluminum Body, Tandem Axle, 1250 GPM Pump, Mid-Mounted	\$318,995.00

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Crimson

Contractors:

- Crimson Fire, Inc. (Mfr.)
- Metro Fire Apparatus Specialists (Dealer - TX)
- Chastang Ford (Commercial Chassis Dealer - TX)
- LTG Fire and Emergency (TX)
- Hi-Tech Emergency Vehicle Service Inc. (Dealer - CA)
- Emergency Vehicle Group Inc. (Dir - CA)

Product Code	Model & Description	Base Price
A. Aerials (Booms/Platforms, Ladders, Ladder/Platforms)		
FA01	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Single Axle, 75' 500# Steel Rear Mounted Telescoping Ladder	\$602,700.00
FA02	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Tandem Axle 75' 600# Steel Rear Mounted Telescoping Ladder	\$629,475.00
FA03	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Tandem Axle, 103' 500# Rear Mounted Telescoping Ladder	\$727,650.00
FA04	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Tandem Axle, 100' 500# Steel Rear Mounted Telescoping Ladder/Platform	\$816,375.00
FA05	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Tandem Axle, 100' 500# Steel Mid Mounted Telescoping Ladder/Platform	\$898,875.00

- [Click here for Email](#)
- Hall-Mark Fire Apparatus Texas, LLC**
Terry Cullen
(P): 800-822-4142
(F): 903-482-6035
[Click here for Email](#)
- Heritage Fire Equipment, Inc.**
C. Robbin Hodges
(P): 254-713-9900
(F): 256-713-9910
[Click here for Email](#)
- High Tech Rescue**
James Riddle
(P): 502-633-0149
(F): 502-633-0659
[Click here for Email](#)
- Hi-Tech Emergency Vehicle Service, Inc.**
Dan Marchione
(P): 209-847-3042
(F): 209-847-2110
[Click here for Email](#)
- Houston Freightliner, Inc.**
Scott Hornberger
(P): 713-580-8181
(F): 713-676-1603
[Click here for Email](#)
- Hughes Fire Equipment, Inc.**
Sheri Taylor
(P): 541-747-0072
(F): 541-747-0073
[Click here for Email](#)
- Independent Fire Company**
Bob L. Lujan
(P): 505-243-3600
(F): 505-842-8556
[Click here for Email](#)
- Keplinger Repair Service Inc.**
Rocky L. Keplinger
(P): 540-667-5538
(F): 540-662-8229
[Click here for Email](#)
- Kovatch Mobile Equipment Corporation (KME)**
Philip J. Gerace
(P): 570-669-5174
(F): 570-669-5124
[Click here for Email](#)
- L.I. Proliner, Inc.**
Billy Georgiou
(P): 631-447-9558
(F): 631-447-9548
[Click here for Email](#)
- Leo M. Ellebracht Company**
Lloyd A. De Wald
(P): 636-332-6985
(F): 636-332-8046
[Click here for Email](#)
- Lonestar Freightliner Group LLC dba LTG Fire and Emergency**
Ron Champion
(P): 817-500-5415
(F): 817-421-3881
[Click here for Email](#)
- LTM Fire Equipment**
Tim Marriott
(P): 248-333-3772
(F): 248-333-3729
[Click here for Email](#)
- Lubbock Truck Sales Inc.**
Mike Iden
(P): 806-748-1529
(F): 806-748-1240
[Click here for Email](#)
- Marion Body Works, Inc.**
Lori Sperberg
(P): 715-754-5261
(F): 715-754-1301
[Click here for Email](#)
- Maryland Emergency Products**
Gene Davis
(P): 410-391-2223

Gulf Coast Emergency Vehicles (Dealer - TX)
 Mid America Fire Apparatus Inc. (Dealer - MO)
 NAFECO (Dealer - AL)
 Independent Fire Company (Dealer - NM)
 Antietam Fire Apparatus, Inc. (Dealer - MD)
 FireFox Rescue Equipment, Inc.(NE)
 Firetrucks Unlimited LLC (NV)

Product Code	Model & Description	BasePrice
A. Aerials (Booms/Platforms, Ladders, Ladder/Platforms)		
QA01	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 79' 500# Rear Mounted Telescoping Steel Ladder	\$547,586.00
QA02	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Tandem Axle, 103', 4 Section, 500# Rear Mounted Telescoping Steel Ladder	\$689,877.00
QA03	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Tandem Axle, 79' 750# Rear Mounted Telescoping Steel Ladder	\$637,560.00
QA04	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Tandem Axle, 95' 1000# Rear Mounted Telescoping Ladder with Platform	\$793,442.00
QA05	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Tandem Axle, 102' 1000# Rear Mounted Telescoping Ladder with Platform	\$792,696.00
QA06	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Tandem Axle, 100' 1000# Mid-Mounted Telescoping Ladder with Platform	\$655,858.00
QA07	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 100' 500# Tractor (Mid-Mount), Telescoping Steel Ladder	\$820,101.00
QA08	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 55' Water Tower (FireStix)	\$455,565.00
QA09	Freightliner M2, 4-Door, Formed Aluminum Body, Single Axle, 55' Water Tower (FireStix)	\$371,074.00
B. Wildland Fire Apparatus (Brush Fire)		
QB01	KME Brush Truck, Ford F-550, 4 x 4, Skid Mounted Pumper Body	\$117,374.00
QB02	KME Brush Truck, Ford F-550, 4 x 4, Flatbed Style Skid Mounted Pumper	\$97,874.00
QB03	KME Brush Truck, Ford F-550, 4 x 4, 2-Door, Aluminum MiniPumper Body, 300 gal. Tank, 1000 gpm Midship PTO Pump	\$150,282.00
QB04	KME Brush Truck, Intl 4300 4 x 4, 4-Door, Aluminum MiniPumper Body, 500 gal. Tank, 1000 gpm Midship PTO Pump, 26,000lb GVWR	\$201,277.00
QB05	KME Brush Truck, International 7400 4 x 4, 4-Door, OEM Interface Pumper, Formed Alum Body, Single Axle, 750 GPM, 500 Gallon Water/Foam	\$262,758.00
QB06	KME Brush Truck, Freightliner M2 4 x 4, 4-Door, OEM Interface Pumper, Formed Alum Body, Single Axle, 750 GPM, 500 Gallon Water/Foam	\$249,049.00
C. Pumper Fire Apparatus		
QC01	International 4400, 2-Door, OEM Pumper, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 1000 Gal Tank-Legacy Series HL Pumper	\$194,230.00
QC02	International 4400, 2-Door, OEM Pumper, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 1000 Gal Tank-Challenger Series RS Pumper	\$196,836.00
QC03	International 4400, 2-Door, OEM Pumper, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 1000 Gal Tank-Legacy Series FS Pumper	\$205,324.00
QC04	International 4400, 2-Door, OEM Pumper, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 1000 Gal Tank-Challenger Series WB Pumper	\$203,848.00
QC05	Freightliner M2, 2-Door, OEM Pumper, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 750 Gal Tank-Flatback Pumper	\$202,876.00
QC06	KME Custom, 4-Door, Full-Tilt, Aluminum Cab, Formed Aluminum Body, Single Axle, 1250 GPM Pump, 750 Gal Tank-Flatback Pumper	\$276,893.00
QC07	KME Custom, 4-Door, Full-Tilt, Aluminum Cab, Alum Body, Single Axle, 1250 GPM Pump, Rear-Mounted Pumper	\$297,937.00
QC08	International 7400 4 x 4, 4-Door, OEM Interface Pumper, Formed Alum Body, Single Axle, 750 GPM, Water/Foam	\$268,531.00
D. Special Service Apparatus (Walk-In & Non-Walk in Bodies) Multi-use: Rescue, Ra-Hab, Hazmat, Mobile Command Center		
QD01	Ford F-550 4 x 2 Chassis, 2 Door, Light Duty Walk-Around Rescue	\$101,926.00
QD02	Intl 4300, 4 x 2, 2-Door, Medium Duty Walk-Around Rescue	\$144,726.00
QD03	Freightliner M2, 4 x 2, 2-Door, Heavy Duty Walk-Around Rescue	\$176,695.00
QD04	KME Custom, 4-Door, Full-Tilt, Aluminum Cab, Alum Body, Single Axle, Heavy	\$251,270.00

Fire Service Apparatus (All Types)

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A CONTRACT BETWEEN
HOUSTON-GALVESTON AREA COUNCIL
Houston, Texas
AND
INDEPENDENT FIRE COMPANY
Albuquerque, New Mexico

This Contract is made and entered into by the Houston-Galveston Area Council of Governments, hereinafter referred to as H-GAC, having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027, AND, Independent Fire Company, hereinafter referred to as the CONTRACTOR, having its principal place of business at 711 Aspen Northwest, Albuquerque, New Mexico 87102.

ARTICLE 1:**SCOPE OF SERVICES**

The parties have entered into a Fire Service Apparatus (All Types) Contract to become effective as of December 1, 2011, and to continue through November 30, 2013 (the "Contract"), subject to extension upon mutual agreement of the CONTRACTOR and H-GAC. H-GAC enters into the Contract as Agent for participating governmental agencies, each hereinafter referred to as END USER, for the purchase of Fire Service Apparatus (All Types) offered by the CONTRACTOR in states other than Texas. The CONTRACTOR agrees to sell Fire Service Apparatus (All Types) through the H-GAC Contract to END USERS in states other than Texas.

ARTICLE 2:**THE COMPLETE AGREEMENT**

The Contract shall consist of the documents identified below in order of precedence:

1. The text of this Contract form, including but not limited to, Attachment A
2. General Terms and Conditions
3. Bid Specifications No: FS12-11, including any relevant suffixes
4. CONTRACTOR's Response to Bid No: FS12-11, including but not limited to, prices and options offered

All of which are either attached hereto or incorporated by reference and hereby made a part of this Contract, and shall constitute the complete agreement between the parties hereto. This Contract supersedes any and all oral or written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Contract cannot be modified without the written consent of both parties.

ARTICLE 3:**LEGAL AUTHORITY**

CONTRACTOR and H-GAC warrant and represent to each other that they have adequate legal counsel and authority to enter into this Contract. The governing bodies, where applicable, have authorized the signatory officials to enter into this Contract and bind the parties to the terms of this Contract and any subsequent amendments thereto.

ARTICLE 4:**APPLICABLE LAWS**

The parties agree to conduct all activities under this Contract in accordance with all applicable rules, regulations, directives, issuances, ordinances, and laws in effect or promulgated during the term of this Contract.

ARTICLE 5:**INDEPENDENT CONTRACTOR**

The execution of this Contract and the rendering of services prescribed by this Contract do not change the independent status of H-GAC or CONTRACTOR. No provision of this Contract or act of H-GAC in performance of this Contract shall be construed as making CONTRACTOR the agent, servant or employee of H-GAC, the State of Texas or the United States Government. Employees of CONTRACTOR are subject to the exclusive control and supervision of CONTRACTOR. CONTRACTOR is solely responsible for employee payrolls and claims arising therefrom.

ARTICLE 6:**END USER AGREEMENTS**

H-GAC acknowledges that the END USER may choose to enter into an End User Agreement with the CONTRACTOR through this Contract and that the term of said Agreement may exceed the term of the H-GAC Contract. However this acknowledgement is not to be construed as H-GAC's endorsement or approval of the End User Agreement terms and conditions. CONTRACTOR agrees not to offer to, agree to or accept from END USER any terms or conditions that conflict with or contravene those in CONTRACTOR's H-GAC contract. Further, termination of this Contract for any reason shall not result in the termination of the underlying End User Agreements entered into between CONTRACTOR and any END USER which shall, in each instance, continue pursuant to their stated terms and duration. The only effect of termination of this Contract is that CONTRACTOR will no longer be able to enter into any new End User Agreements with END USERS pursuant to this Contract. Applicable H-GAC order processing charges will be due and payable to H-GAC on any End User Agreements surviving termination of this Contract between H-GAC and CONTRACTOR.

Fire Service Apparatus (All Types)

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ARTICLE 7:SUBCONTRACTS & ASSIGNMENTS

CONTRACTOR agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Contract or any right, title, obligation or interest it may have therein to any third party without prior written notice to **H-GAC**. **H-GAC** reserves the right to accept or reject any such change. **CONTRACTOR** shall continue to remain responsible for all performance under this Contract regardless of any subcontract or assignment. **H-GAC** shall be liable solely to **CONTRACTOR** and not to any of its Subcontractors or Assignees.

ARTICLE 8:EXAMINATION AND RETENTION OF CONTRACTOR'S RECORDS

CONTRACTOR shall maintain during the course of its work, complete and accurate records of items that are chargeable to **END USER** under this Contract. **H-GAC**, through its staff or its designated public accounting firm, the State of Texas, or the United States Government shall have the right at any reasonable time to inspect copy and audit those records on or off the premises of **CONTRACTOR**. Failure to provide access to records may be cause for termination of this Contract. **CONTRACTOR** shall maintain all records pertinent to this Contract for a period of not less than five (5) calendar years from the date of acceptance of the final contract closeout and until any outstanding litigation, audit or claim has been resolved. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. **CONTRACTOR** further agrees to include in all subcontracts under this Contract, a provision to the effect that the subcontractor agrees that **H-GAC'S** duly authorized representatives, shall, until the expiration of five (5) calendar years after final payment under the subcontract or until all audit findings have been resolved, have access to, and the right to examine and copy any directly pertinent books, documents, papers, invoices and records of such subcontractor involving any transaction relating to the subcontract.

ARTICLE 9:REPORTING REQUIREMENTS

CONTRACTOR agrees to submit reports or other documentation in accordance with the General Terms and Conditions of the Bid Specifications. If **CONTRACTOR** fails to submit to **H-GAC** in a timely and satisfactory manner any such report or documentation, or otherwise fails to satisfactorily render performance hereunder, such failure may be considered cause for termination of this Contract.

ARTICLE 10:MOST FAVORED CUSTOMER CLAUSE

If **CONTRACTOR**, at any time during this Contract, routinely enters into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to **H-GAC** on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to **H-GAC**, **CONTRACTOR** shall notify **H-GAC** within ten (10) business days thereafter of that offering and this Contract shall be deemed to be automatically amended effective retroactively to the effective date of the most favorable contract, wherein **CONTRACTOR** shall provide the same prices, warranties, benefits, or terms to **H-GAC** and its **END USER**. **H-GAC** shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If **CONTRACTOR** is of the opinion that any apparently more favorable price, warranty, benefit, or term charged and/or offered a customer during the term of this Contract is not in fact most favored treatment, **CONTRACTOR** shall within ten (10) business days notify **H-GAC** in writing, setting forth the detailed reasons **CONTRACTOR** believes aforesaid offer which has been deemed to be a most favored treatment, is not in fact most favored treatment. **H-GAC**, after due consideration of such written explanation, may decline to accept such explanation and thereupon this Contract between **H-GAC** and **CONTRACTOR** shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties, benefits, or terms to **H-GAC**.

The Parties accept the following definition of routine: A prescribed, detailed course of action to be followed regularly; a standard procedure.

EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, or contractor, which are not within bidder's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.

ARTICLE 11:SEVERABILITY

All parties agree that should any provision of this Contract be determined to be invalid or unenforceable, such determination shall not affect any other term of this Contract, which shall continue in full force and effect.

ARTICLE 12:DISPUTES

Any and all disputes concerning questions of fact or of law arising under this Contract, which are not disposed of by agreement, shall be decided by the Executive Director of **H-GAC** or his designee, who shall reduce his decision to writing and provide notice thereof to **CONTRACTOR**. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, **CONTRACTOR** requests a rehearing from the Executive Director of **H-GAC**. In connection with any rehearing under this Article, **CONTRACTOR** shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. **CONTRACTOR** may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, **CONTRACTOR** shall proceed diligently with the performance of this Contract and in accordance with **H-GAC'S** final decision.

Fire Service Apparatus (All Types)

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ARTICLE 13: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the CONTRACTOR and an END USER, CONTRACTOR's total liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify H-GAC described in Article 14, is limited to the price of the particular products/services sold hereunder, and CONTRACTOR agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will CONTRACTOR be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. CONTRACTOR understands and agrees that it shall be liable to repay and shall repay upon demand to END USER any amounts determined by H-GAC, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Contract.

ARTICLE 14: LIMIT OF H-GAC'S LIABILITY AND INDEMNIFICATION OF H-GAC

H-GAC's liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will H-GAC be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless H-GAC, its board members, officers, agents, officials, employees, and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgments, and liens arising as a result of CONTRACTOR's negligent act or omission under this Contract. CONTRACTOR shall notify H-GAC of the threat of lawsuit or of any actual suit filed against CONTRACTOR relating to this Contract.

ARTICLE 15: TERMINATION FOR CAUSE

H-GAC may terminate this Contract for cause based upon the failure of CONTRACTOR to comply with the terms and/or conditions of the Contract; provided that H-GAC shall give CONTRACTOR written notice specifying CONTRACTOR'S failure. If within thirty (30) days after receipt of such notice, CONTRACTOR shall not have either corrected such failure, or thereafter proceeded diligently to complete such correction, then H-GAC may, at its option, place CONTRACTOR in default and the Contract shall terminate on the date specified in such notice. CONTRACTOR shall pay to H-GAC any order processing charges due from CONTRACTOR on that portion of the Contract actually performed by CONTRACTOR and for which compensation was received by CONTRACTOR.

ARTICLE 16: TERMINATION FOR CONVENIENCE

Either H-GAC or CONTRACTOR may cancel or terminate this Contract at any time by giving thirty (30) days written notice to the other. CONTRACTOR may be entitled to payment from END USER for services actually performed; to the extent said services are satisfactory to END USER. CONTRACTOR shall pay to H-GAC any order processing charges due from CONTRACTOR on that portion of the Contract actually performed by CONTRACTOR and for which compensation is received by CONTRACTOR.

ARTICLE 17: CIVIL AND CRIMINAL PROVISIONS AND SANCTIONS

CONTRACTOR agrees that it will perform under this Contract in conformance with safeguards against fraud and abuse as set forth by H-GAC, the State of Texas, and the acts and regulations of any funding entity. CONTRACTOR agrees to notify H-GAC of any suspected fraud, abuse or other criminal activity related to this Contract through filing of a written report promptly after it becomes aware of such activity.

ARTICLE 18: GOVERNING LAW & VENUE

This Contract shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with this Contract shall lie exclusively in Harris County, Texas. Disputes between END USER and CONTRACTOR are to be resolved in accord with the law and venue rules of the state of purchase. CONTRACTOR shall immediately notify H-GAC of such disputes.

ARTICLE 19: PAYMENT OF H-GAC ORDER PROCESSING CHARGE

CONTRACTOR agrees to sell its products to END USERS based on the pricing and other terms of this Contract, including, but not limited to, the payment of the applicable H-GAC order processing charge. On notification from an END USER that an order has been placed with CONTRACTOR, H-GAC will invoice CONTRACTOR for the applicable order processing charge. Upon delivery of any product/service by CONTRACTOR and acceptance by END USER, CONTRACTOR shall, within thirty (30) calendar days or ten (10) business days after receipt of payment, whichever is less, pay H-GAC the full amount of the applicable order processing charge, whether or not CONTRACTOR has received an invoice from H-GAC. For sales made by CONTRACTOR based on this contract, including sales to entities without Interlocal Contracts, CONTRACTOR shall pay the applicable order processing charges to H-GAC. Further, CONTRACTOR agrees to encourage entities who are not members of H-GAC's Cooperative Purchasing Program to execute an H-GAC Interlocal Contract. H-GAC reserves the right to take appropriate actions including, but not limited to, contract termination if CONTRACTOR fails to promptly remit H-GAC's order processing charge. In no event shall H-GAC have any liability to CONTRACTOR for any goods or services an END USER procures from CONTRACTOR.

Fire Service Apparatus (All Types)

ARTICLE 20:

LIQUIDATED DAMAGES

Any liquidated damages terms will be determined between CONTRACTOR and END USER at the time END USER's purchase order is placed.

ARTICLE 21:

PERFORMANCE BONDS FOR INDIVIDUAL ORDERS

Except as described below for fire apparatus, CONTRACTOR agrees to provide a Performance Bond at the request of END USER within ten (10) days of receipt of END USER's purchase order.

It shall be standard procedure for every order received for fire apparatus that a Performance Bond in the amount of the order be provided to the END USER. Failure of CONTRACTOR to provide such performance bond within ten (10) days of receipt of END USER's order may constitute a total breach of contract and shall be cause for cancellation of the order at END USER's sole discretion. END USER may choose to delete the requirement for a Performance Bond at END USER's sole discretion. If the bond requirement is waived, END USER shall be entitled to a price reduction commensurate with the cost that would have been incurred by CONTRACTOR for the bond.

ARTICLE 22:

CHANGE OF CONTRACTOR STATUS

CONTRACTOR shall immediately notify H-GAC, in writing, of ANY change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name, and shall also advise whether or not this Contract shall be affected in any way by such change. H-GAC shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Contract.

ARTICLE 23:

LICENSING REQUIRED BY TEXAS MOTOR VEHICLE BOARD (IF APPLICABLE)

CONTRACTOR will for the duration of this Contract maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Contract period, any CONTRACTOR'S license is not renewed, or is denied or revoked, CONTRACTOR shall be deemed to be in default of this Contract unless the Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to H-GAC upon request.


IN WITNESS WHEREOF, the parties have caused this Contract to be executed by their duly authorized representatives.

Signed for Houston-Galveston
Area Council, Houston, Texas:



Executive Director

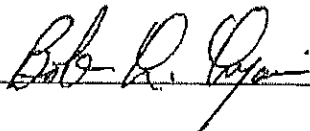
Attest for Houston-Galveston
Area Council, Houston, Texas:



Deidre Wick, Director of Public Services

Date: 10/10, 2011

Signed for Independent Fire Company
Albuquerque, New Mexico:



Bob L. Lujan

Printed Name & Title: BOB L. LUJAN PRESIDENT

Date: 10/31, 2011

Attest for Independent Fire Company
Albuquerque, New Mexico:



Jose M. Sanchez

Printed Name & Title: JOSE M. SANCHEZ VICE PRESIDENT

Date: 10/31, 2011

PURCHASE REQUISITION NBR: 0000125417

STATUS: REQ-APRVL >\$10000
REASON: FIRE ENGINE

DATE: 1/31/12

DELIVER BY DATE: 6/30/12

REQUISITION BY: DIANAA

SHIP TO LOCATION: SF COUNTY FIRE DEPARTMENT SUGGESTED VENDOR: 1473 INDEPENDENT FIRE COMPANY

LINE NBR	DESCRIPTION	QUANTITY	UOM	UNIT COST	EXTEND COST	VENDOR PART NUMBER
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1	REQUESTED BY: ELVIA MARTINEZ--- KME-FIRE ENGINE INTERNATIONAL 7400 4X4 OEM INTERFACE PUMPER EGAC CONTRACT FS12-11 1 AT344,190.00 COMMODITY: SUBCOMM: MISC	344190.00	EA	1.0000	344190.00	
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REQUISITION TOTAL: 344190.00

ACCOUNT INFORMATION

LINE #	ACCOUNT	PROJECT	%	AMOUNT
1	20908324228009 CAPITAL PURCHASES VEHICLES		100.00	344190.00

REQUISITION IS IN THE CURRENT FISCAL YEAR.

Manufacturing 2-3-12

APPROVED

BUDGET ONLY

Sharon Fugate
Date: 2/9/12



CONTRACT PRICING WORKSHEET
For Standard Equipment Purchases

Contract No.:

FS12-11

Date Prepared:

1/12/2012

This form must be prepared by Contractor, and provided to End User to attach to Purchase Order, with copy to HGAC. The HGAC administrative fee shall be calculated and shown as a separate line item. Please type or print legibly.

Buying Agency:	El Dorado Fire and Rescue, Santa Fe, New Mexico	Contractor:	KME via Independent Fire
Contact Person:	Chief Stephen Tapke, Capt. John Stokely	Prepared By:	Philip Gerace
Phone:	505/469-0423, 703/405-7284	Phone:	570-669-5174
Fax:	505/466-0686	Fax:	570-669-5124
Email:	sftapke@yahoo.com	Email:	pgerace@kovatch.com

Product Code:	QC08	Description:	International 7400 4x4, 4-Door, OEM Interface Pumper, Formed Alum Body, Single Axle, 750GPM, Water/Foam
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A. Product Item Base Unit Price Per Contractor's HGAC Contract: 268,531.00

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable. (Note: Published Options are options which were submitted and priced in Contractor's bid.)

Qty	Option Code	Description	Unit Pr	Total
1	KME-P008	Treadplate Overlay	1,915.00	1,915.00
1	KME-P009	Console	1,048.00	1,048.00
1	KME-P033	Bumper Storage Well	660.00	660.00
1	KME-P076	Kussmaul	1,386.00	1,386.00
1	KME-P078	LED Step Lighting	110.00	110.00
1	KME-P045	Trim Kits for Wheels	211.00	211.00
1	KME-P047	Aluminum Wheels, front	465.00	465.00
1	KME-P049	Aluminum Wheels, rear	627.00	627.00
1	KME-P062	Shorline Recep.	260.00	260.00
1	KME-P066	12 Volt Power with Ground	174.00	174.00
1	KME-P082	Whelen LED	1,202.00	1,202.00
1	KME-P085	Q2b	2,510.00	2,510.00
1	KME-P094	Aux Suction	695.00	695.00
1	KME-P099	Rear Disch	2,674.00	2,674.00
1	KME-P107	Akron Deck Gun	6,710.00	6,710.00
1	KME-P113	Front discharge	1,748.00	1,748.00
2	KME-P176	Ajustable Shelf	315.00	630.00
2	KME-P177	Rollout Tray	616.00	1,232.00
			Subtotal B:	24,257.00

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary. (Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Qty	Description	Unit Pr	Total	
1	Chassis Upgrades to Base HGAC International 7400	4,600.00	4,600.00	
1	Secondary Braking upgrade	871.00	871.00	
1	Front bumper Extension	1,776.00	1,776.00	
1	TFT-Stream Package	11,384.00	11,384.00	
1	Pump, MIV Upgrades	5,840.00	5,840.00	
1	Scene and Compartment Lighting to LED	1,127.00	1,127.00	
1	Body Modifications	4,408.00	4,408.00	
1	Interior Storage Under Cab	2,154.00	2,154.00	
1	Foam System	6,864.00	6,864.00	
2	Booster Reels	689.00	1,378.00	
			Subtotal C:	40,402.00

<p>Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B).</p>	<p>For this transaction the percentage is:</p>	<p>14%</p>
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D. Other Cost Items Not Itemized Above (e.g. Installation, Freight, Delivery, ETC)

Qty	Description	Unit Pr	Total
1	Delivery to New Mexico	4,000.00	4,000.00

1	Customer Inspection Trips	5,000.00	5,000.00
		Subtotal D:	9,000.00
E. Total Cost Before Any Applicable Trade-In/Other Allowances/Discounts (A+B+C+D)		342,190.00	
Quantity Ordered:	1	X Subtotal of A + B + C + D:	342,190.00
		=	= Subtotal E:
			342,190.00
F. H-GAC Fee Calculation (From Current Fee Tables)		Subtotal F:	2,000.00
G. Trade-Ins/Other Allowances/Special Discounts			
Description		Cost	
		0.00	
		Subtotal G:	0.00
Approx. Delivery Date:	08/15/12	H. Total Purchase Price (B+F+G):	344,190.00

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GENERAL INFORMATION

The proposed apparatus will be constructed to withstand the severe and continuous use encountered during emergency fire fighting services. The apparatus shall be of the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained.

These specifications detail the proposal for general design criteria of cab and chassis components, aerial device (if applicable), fire pump and related components (if applicable), water tank (if applicable), fire body, electrical components, painting, and equipment.

All items of these proposal specifications will conform to the National Fire Protection Association Pamphlet No. 1901, latest edition.

KME will furnish satisfactory evidence of our ability to construct, supply service parts and technical assistance for the apparatus specified.

FIRE APPARATUS DOCUMENTATION

The contractor will supply, at the time of delivery, at least one (1) copy of the following documents:

The manufacturer's record of apparatus construction details, including the following information:

- Owners name and address
- Apparatus manufacturer, model and serial number
- Chassis make, model and serial number
- Front tire size and total rated capacity in pounds
- Rear tire size and total rated capacity in pounds
- Chassis weight distribution in pounds with water and manufacturer mounted equipment, front and rear
- Engine make, model, serial number, rated horsepower, rated speed and governed speed
- Type of fuels and fuel tank capacity
- Electrical system voltage and alternator output in amps.
- Battery make, model and total capacity in cold crank amps (CCA)
- Transmission make, model and serial number. If so equipped chassis transmission PTO(s) make, model and gear ratio
- Pump make, model, rated capacity in gallons per minute (liters per minute where applicable) and serial number
- Pump transmission make, model, serial number and gear ratio
- Auxiliary pump make, model, rated capacity in gallons per minute (liters per minute where applicable) and serial number
- Water tank certified capacity in gallons or liters
- Paint manufacturer and paint number(s)

Certification of slip resistance of all stepping, standing and walking surfaces.

If the apparatus has a fire pump or an industrial supply pump, the pump manufacturer's certification of suction capability.

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If the apparatus has a fire pump or an industrial supply pump, a copy of the apparatus manufacturer's approval for stationary pumping applications.

If the apparatus has a fire pump or an industrial supply pump, the engine manufacturers certified brake horsepower curve for the engine furnished, showing the maximum governed speed.

If the apparatus has a fire pump or an industrial supply pump, the pump manufacturers certification of hydrostatic test.

If the apparatus has a fire pump or an industrial supply pump, the Underwriters Laboratory certification of inspection and test for the fire pump.

If the apparatus has an aerial device the Underwriters Laboratory certification of inspection and test for the aerial device.

If the apparatus has an aerial device, all the technical information required for inspections to comply with NFPA 1911, Standards for Testing Fire Department Aerial Devices.

If the apparatus has a fixed line voltage power source, the certification of the test for the fixed power source.

If the apparatus is equipped with an air system, test results of the air quality, the SCBA fill station, and the air system installation.

Weight documents from certified scale - showing actual loading on the front axle, rear axle(s) and overall vehicle (with the water tank full but without personnel, equipment and hose) will be supplied with the complete vehicle to determine compliance with NFPA-1901

Written load analysis and results of electrical performance tests.

If the apparatus is equipped with a water tank, the certification of water tank capacity.

The proposed chassis will be certified by KME as conforming to all applicable Federal Motor Vehicle Safety Standards (FMVSS) in effect at the date of contract. This will be attested to by the attachment of a FMVSS certify caution label on the vehicle by KME, who will be recognized as the responsible final manufacturer.

KME will be responsible for preparing and maintaining a record file of parts and assemblies used to manufacture the proposed apparatus. These records will be maintained in KME's factory for a minimum of twenty (20) years. The file will contain copies of any and all reported deficiencies, all replacement parts required to maintain the apparatus, and original purchase documents including specifications, contract, invoices, incomplete chassis certificates, quality control reports and final delivery acceptance documents. The purchaser will have access to any and all documents contained in this file upon official written request.

GENERAL CONSTRUCTION

The proposed apparatus, assemblies, subassemblies, component parts, etc., will be designed and constructed with the due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is subjected to when placed in service. All parts of the apparatus will be designed with a factor of safety, which is equal to or greater than that which is considered standard and acceptable for this class of equipment in fire fighting service. All parts of the proposed apparatus will be strong enough to withstand general service under full load. The apparatus will be so designed that the various parts and

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

readily accessible for lubrication, inspection, adjustment and repair.

The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between front and rear axles that all specified equipment, including a full complement of specified ground ladders, full water tank, loose equipment, and firefighters will be carried without overloading or injuring the apparatus.

The aerial ladder will be designed as a modular component of the apparatus. The aerial ladder, its support structure, and outrigger system will be designed to comprise an integrated assembly, removable from the carrier vehicle as a single self-supporting unit. The design will facilitate repair, modifications or replacement of the aerial device, apparatus body, or chassis individually, as required by wear from use, obsolescence, or for purposes of refurbishment.

PRODUCT LIABILITY INSURANCE

KME is providing liability and facility insurance equaling \$30,000,000.00, which is one of the highest available in the fire industry. Reference attached documentation.

SERVICE CENTER AND PARTS DEPOT

Independent Fire Company
Fire Truck Service Center

KME FIRE APPARATUS SERVICE STATEMENT

The proposed KME Fire Apparatus vehicle is offered with service for in or out of warranty repairs can be promptly performed by the local KME authorized service center.

Service is provided by:

Independent Fire Company
711 Aspen NW
Albuquerque, NM 87102
Phone: (505) 243-3600
Cell: (505) 259-9150
Fax: (505) 842-8556

Service Center Capabilities

INDEPENDENT FIRE COMPANY celebrates its 30th year of operation and employs five (5) people and is proud to operate a Service Center in Albuquerque, NM . The private owned operation employs two (2) full-time service mechanics to handle any service-related problems or improvements that you may desire.

The service facilities provide service to handle sheet metal repair and fabrication, pump and electrical repair, aerial ladder service, and repair booster tank enlarging and replacement, and minor or major refurbishment capabilities.

Service and repairs to all makes of fire apparatus including trucks with Hale, Waterous, Darley, FMC and John Bean Pumps.

Independent Fire Company Service Center employees are fully insured with Workman's Compensation, at

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1 Million Dollar Garage Keepers Liability Insurance Coverage and a 1 Million Dollar Products Liability Insurance Policy to protect your fire department in case of injury to personnel or your fire department equipment.

PRICES AND PAYMENTS

The bid price will be F.O.B. Destination, on a delivered and accepted basis at the Fire Department.

Total price on KME's proposal sheet will include all items listed in these specifications.

KME has computed pricing less federal and state taxes. It is understood that any applicable taxes will be added to the proposed prices, unless the purchaser furnishes appropriate tax-exempt forms.

MATERIAL AND WORKMANSHIP

All equipment furnished will be guaranteed to be new and of current manufacture, to meet all requirements of purchaser's specifications.

All workmanship will be of high quality and accomplished in a professional manner so as to insure a functional apparatus with a pleasing, aesthetic appearance.

SALES ENGINEER

KME will designate an in house individual to perform the contractor's sales engineer functions. The sales engineer will provide a single point interface between the purchaser and KME on all matters concerning the contract.

APPROVAL DRAWING

A detailed drawing of the apparatus will be provided to the El Dorado Fire & Rescue for approval before construction begins. A copy of this drawing shall also be provided to the manufacturer's representative. Upon El Dorado Fire & Rescue approval, the finalized drawing shall become a part of the total contract.

The drawing shall show, but is not limited to, such items as the chassis make and model, major components, location of lights, sirens, all compartment locations and dimensions, special suction, discharges, etc. The drawing shall be a visual interpretation of the apparatus as it is to be supplied.

INSPECTION VISITS

KME will provide one (1) factory inspection trip to KME's facility. Transportation, meals, lodging, and other requisite expenses will be the bidder's responsibility.

Accommodations shall be for three (3) Fire Department representatives per trip.

The factory visits shall occur at the following stages of production of the apparatus:

- Final inspection upon completion.

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

Travel arrangements more than 1000 miles from the manufacturing facility shall be via commercial airline transportation.

The customer maintains the right to inspect the apparatus, within KME's normal business hours. At any other point during construction expenses incurred during non-specified inspection visits shall be the responsibility of the customer.

During inspection visits, the customer reserves the right to conduct actual performance tests to evaluate completed portions of the unit. Testing shall be accomplished with the assistance and resources of the contractor.

DELIVERY

Delivery of the apparatus to the Fire Department will remain KME's responsibility.

A qualified and responsible representative of KME will deliver the apparatus to the Fire Department.

INSTRUCTION MANUALS/DRAWINGS, SCHEMATIC

KME will supply at time of delivery, two (2) copies of a complete operation and service manual covering the complete apparatus as delivered and accepted.

The manual will contain the following:

- Descriptions, specifications, and ratings of chassis, pump (if applicable), and aerial device (if applicable).
- Wiring diagrams.
- Lubrication charts.
- Operating instructions for the chassis, any major components such as a pump and any auxiliary systems.
- Instructions regarding the frequency and procedures recommended for maintenance.
- Parts replacement information.

VEHICLE FLUIDS PLATE

As required by NFPA-1901, KME will affix a permanent plate in the driver's compartment specifying the quantity and type of the following fluids used in the vehicle:

A permanent plate in the driving compartment will specify the quantity and type of the following fluids used in the vehicle:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid
- Pump primer fluid
- Drive axle(s) lubrication fluid
- Air-conditioning refrigerant
- Air-conditioning lubrication oil
- Power steering fluid

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- Cab tilt mechanism
- Transfer case fluid
- Equipment rack fluid
- Air compressor system lubricant
- Generator system lubricant
- Aerial systems

PRINCIPAL APPARATUS DIMENSIONS & G.V.W.R.

The principal dimensions of the completed apparatus will not exceed the following maximum acceptable dimensions:

KME PROPOSED DIMENSIONS:

- OVERALL LENGTH: 338"
- OVERALL WIDTH: 102"
- OVERALL HEIGHT: 118"
- WHEELBASE: 207"

The axle and total weight ratings of the completed apparatus will not be less than the following minimum acceptable weight ratings:

- MINIMUM FRONT G.A.W.R.: 14,000 lbs.
- MINIMUM REAR G.A.W.R.: 26,000 lbs.
- MINIMUM TOTAL G.V.W.R.: 40,000 lbs.

KME will include the principal dimensions, front G.A.W.R., rear G.A.W.R., and total G.V.W.R. of the proposed apparatus. Additionally, KME will provide a weight distribution of the fully loaded, completed vehicle; this will include a filled water tank, specified hose load, miscellaneous equipment allowance in accordance with NFPA-1901 requirements, and an equivalent personnel load of 250 lbs. per seating position.

STEPPING, STANDING, & WALKING SURFACES

All stepping, standing, and walking surfaces on the body shall meet NFPA #1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces shall be Alcoa No-Slip type. This material shall be a minimum 3/16 (0.1875") in thickness. Upon request by the purchaser, the manufacturer shall supply proof of compliance with this requirement. All vertical surfaces on the body, which incorporate aluminum tread plate material, will utilize the same material pattern to provide a consistent overall appearance. NO EXCEPTIONS!

AMP DRAW REPORT

The bidder shall provide with their bid proposal and at the time of delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

A written load analysis, which shall include the following:

- The rating of the alternator.
- The minimum continuous load of each component that is specified per: Applicable NFPA-1901.
- Additional loads that, when added to the minimum continuous load, determine the total connected load.

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- Each individual intermittent load.

All of the above listed items shall be provided by the bidder per the applicable NFPA-1901.

COOPERATIVE PURCHASING

KME is pleased to allow other public agencies to use the purchase agreement resulting from this invitation to bid. The condition of such use by other agencies will be that any such agency must make and pursue contact, purchase order/contract, and all contractual remedies with KME. Such tag-on's will be done so that the original purchasing agency has no responsibility for performance by either KME or the agency using the contract.

UNDERWRITERS LABORATORIES INC. (UL) EXAMINATION AND TEST PROPOSAL

If required by the specific chapters of NFPA-1901, the proposed unit will be tested and certified for KME Fire Apparatus by Underwriters Laboratories Inc. (UL) Underwriters Laboratories Inc. (UL) is recognized worldwide as a leading third party product safety certification organization for over 100 years. UL has served on National Fire Protection Association (NFPA) technical committees for over thirty years.

INDEPENDENT TESTING ORGANIZATION QUALIFICATIONS

- UL is a nationally recognized testing laboratory recognized by OSHA.
- UL complies with the American Society for Testing and Materials (ASTM) Standard ASTM E543 "Determining the Qualifications for Nondestructive Testing Agencies."
- UL has more than 40 years of automotive fire apparatus safety testing experience and 16 years of factory aerial device testing and Certification experience. UL has more than 100 years of experience developing and implementing product safety standards.
- UL does not represent, is not associated with, nor is in the manufacture or repair of automotive fire apparatus.
- All test work for fire pumps outlined in NFPA 1901, Edition will be conducted.
- UL has included a list of all factory aerial device manufacturers for whom testing is currently being conducted on a regular basis.
- UL carries ten million dollars in excess liability insurance for bodily injury and property damage combined.

All work outlined in NFPA 1914, current Edition, including nondestructive testing, will be conducted at the manufacturer's facility.

PERSONNEL

The UL inspectors performing the test work on the units are certified to Level II in the required NDT methods, under the requirements outlined in ASNT document CP-189.

The actual person(s) performing the inspection will present for review proof of Level II Certification in the required NDT methods.

Prior to submittal to the automotive fire apparatus manufacturer, the final Report will be reviewed by the Supervisor of Fire Equipment Services and a Registered Professional Engineer, both of whom are directly involved with the aerial device certification program at UL.

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GENERAL APPARATUS DESCRIPTION "PUMPER"

The unit shall be designed to conform fully to the "Pumper Fire Apparatus" requirements as stated in the NFPA 1901 Standard (2009 Revision), which shall include the following required chapters as stated in this revision:

- Chapter 1 Administration
- Chapter 2 Referenced Publications
- Chapter 3 Definitions
- Chapter 4 General Requirements
- Chapter 5 Pumper Fire Apparatus
- Chapter 12 Chassis and Vehicle Components
- Chapter 13 Low Voltage Electrical Systems and Warning Devices
- Chapter 14 Driving and Crew Areas
- Chapter 15 Body, Compartments and Equipment Mounting
- Chapter 16 Fire Pumps and Associated Equipment
- Chapter 18 Water Tanks

CAB SAFETY SIGNS

The following safety signs shall be provided in the cab:

- A label displaying the maximum number of personnel the vehicle is designed to carry shall be visible to the driver.
- "Occupants must be seated and belted when apparatus is in motion" signs shall be visible from each seat.
- "Do Not Move Apparatus When Light Is On" sign adjacent to the warning light indicating a hazard if the apparatus is moved (as described in subsequent section).
- A label displaying the height, length, and GVWR of the vehicle shall be visible to driver.
- This label shall indicate that the fire department must revise the dimension if vehicle height changes while vehicle is in service.

CHASSIS DATA LABELS

The following information shall be on labels affixed to the vehicle:

Fluid Data

- Engine Oil
- Engine Coolant
- Chassis Transmission Fluid
- Pump Transmission Lubrication Fluid
- Pump Primer Fluid (if applicable)
- Drive Axle(s) Lubrication Fluid
- Air Conditioning Refrigerant
- Air Conditioning Lubrication Oil
- Power Steering Fluid
- Cab Tilt Mechanism Fluid
- Transfer Case Fluid (if applicable)
- Equipment Rack Fluid (if applicable)
- Air Compressor System Lubricant
- Generator System Lubricant (if applicable)

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- Front Tire Cold Pressure
- Rear Tire Cold Pressure
- Aerial Hydraulic Fluid (if applicable)
- Maximum Tire Speed Rating

Chassis Data

- Chassis Manufacturer
- Production Number
- Year Built
- Month Manufactured
- Vehicle Identification Number

Manufacturers weight certification:

- Gross Vehicle (or Combination) Weight Rating (GVWR or GCWR)
- Gross Axle Weight Rating, Front
- Gross Axle Weight Rating, Rear

ROLLOVER STABILITY

The apparatus shall meet the criteria defined in 4.13.1 for rollover stability as defined in the 2009 NFPA Standard for Automotive Fire Apparatus.

7400 SFA 4x4 Four Door

BASE CHASSIS, Model 7400 SFA 4X4 with 205.0" Wheelbase, 86.10" CA, and 65.0" Axle to Frame

TOW HOOK, FRONT (2), Frame Mounted.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL

FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192 mm) Maximum OAL

BUMPER, FRONT, Steel, 15 Degree Swept Back, Chrome, with Headlight Provision

BUMPER EXTENSION, FRONT, 4.0"

WHEELBASE RANGE 181" (460 cm) Through and Including 205" (520 cm)

FRAME ADDITION, FRONT 1" Integral

AXLE, FRONT DRIVING {Meritor MX-14-120} Single Reduction, 14,000-lb Capacity
Includes MAGnetic Drain Plug

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers
Includes Spring Pins with Rubber Bushings

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BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes:

BRAKE LINES Color and Size Coded Nylon
DRAIN VALVE Twist-Type
DUST SHIELDS, FRONT and REAR
GAUGE, AIR PRESSURE (2) Air 1 and Air 2 in Instrument Cluster
PARKING BRAKE CONTROL Yellow Knob on Instrument Panel
SLACK ADJUSTERS, AUTOMATIC, Front and Rear
SPRING BRAKE MODULATOR VALVE

BRAKE SHOES, REAR Cast

DRAIN VALVE {Berg} Manual; With Pull Chain, for Wet Tank

AIR BRAKE ABS {Bendix Antilock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR DRYER {Bendix AD-IP} With Heater

BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0" Includes 20 Sq. In. Long Stroke Brake Chambers

BRAKES, REAR, AIR CAM 16.5" x 7.0" Includes 30/30 Long Stroke Brake Chamber and Heavy Duty Spring Actuated Parking Brake

AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

STEERING COLUMN Tilting and Telescoping

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR {Sheppard M-110} Power

EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Left Rail Back of Cab; Includes Horizontal Tailpipe with Temperature Control Device

SWITCH, FOR EXHAUST 2 Position, Lighted and Latching, ON/OFF Type, Inhibits Diesel Particulate Filter Regeneration While Switch is in ON Position

ENGINE EXHAUST BRAKE, Electronically Activated

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes:

BATTERY BOX Steel with Fiberglass Cover; Mounted Right Side, Back of Cab
DATA LINK CONNECTOR for Vehicle Programming and Diagnostics in Cab
HAZARD SWITCH, Push On/Push Off, Located on Top of Steering Column Cover
HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
HEADLIGHTS (2) Sealed Beam Halogen, 5" X 7" Rectangular, with Chrome Plated Bezels
JUMP START STUD Located on Positive Terminal of Outermost Battery
PARKING LIGHT Integral with Front Turn Signal
RUNNING LIGHT (2) Daytime, Included With Headlights
STARTER SWITCH Electric Key Operated
TURN SIGNAL SWITCH Self-Cancelling with Lane Change Feature
TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 pre-set delays), Integral with Turn Signal Lever
WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
WIRING, CHASSIS Color Coded and Continuously Numbered

CIGAR LIGHTER Includes Ash Cup

HORN, ELECTRIC (2)

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Leece-Neville 14931PAH} Brush Type; 12 Volt 320 Amps. Capacity, Pad Mounted

BODY BUILDER WIRING Under Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

RADIO {International} AM/FM Stereo with CD Player, Weatherband, Clock, Auxiliary Input, Includes Multiple Coaxial Speakers

POWER SOURCE, TERMINAL TYPE 2-Post

HORN, AIR Black, Single Trumpet, Air Solenoid Operated

SWITCH, AIR HORN, PASSENGER; Located in Instrument Panel Close to Passenger, Driver Also To Activate Switch at Steering Wheel

SOLENOID, AIR for Customer Use; Provides (1) Normally Closed Pilot Air Source with Switch in Cab; Air Available Only With Key in "Ignition" or "Accessory" Position; Air Will Exhaust with Key in "Off" Position

BATTERY DISCONNECT SWITCH (Joseph Pollack) for Cab Power Disconnect Switch; Cab Mounted, Lever Operated, Disconnects Power to PDC, Does Not Disconnect Charging Circuits

HEADLIGHTS Long Life Halogen; for Two Light System

SWITCH, BODY CIRCUITS, REAR for Bodybuilder; With 6 Switches in Instrument Panel (2-position switches); One Power Module, With 6 Channels, 20 Amp per Channel and 80 Amp Max Output, Switches Control the Power Modules Through Multiplex Wiring, Mounted at Rear of Frame

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

STARTING MOTOR {Delco Remy 39MT} 12-Volt; Gear Reduced with Thermal Over-Crank Protection

INDICATOR, BATTERY ON WARNING Green Indicator Mounted on Left Side of Instrument Panel

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

FENDER EXTENSIONS Rubber

INSULATION, UNDER HOOD for Sound Abatement

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

INTERNATIONAL LOGOS Ship Loose for Installation by body builder

GRILLE EMBER SCREEN Mounted to Grille to Keep Hot Embers out of Engine Air Intake System

FRONT END Tilting, Fiberglass, With Three Piece Construction

PAINT SCHEMATIC, Single Color

PAINT IDENTITY; Base Coat/Clear Coat, Premium Color.

KEYS - ALL ALIKE Fleet -Includes Ignition and Cab Door Keys

OIL FILTER, ENGINE (Hudgins Model 960 Spinner)

ENGINE, DIESEL {International MaxxForce 9} EPA 10, 330 HP @ 2000 RPM, 950 lb-ft Torque @ 1200 RPM, Governed Speed 2200 RPM

Includes:

AIR COMPRESSOR SUPPLY LINE, Naturally Aspirated

COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control

CRUISE CONTROL Electronic; Controls Integral to Steering Wheel

ENGINE OIL DRAIN PLUG Magnetic

ENGINE SHUTDOWN Electric, Key Operated

FUEL/WATER SEPARATOR and FUEL FILTER in a Single Assembly, Mounted on Engine with

GOVERNOR, Electronic

WET TYPE CYLINDER Sleeves

FAN DRIVE {Horton Drivemaster, Polar Extreme} "Two Speed" Direct Drive, With Residual Torque Device for Disengaged Fan Speed

Includes NYLON FAN

RADIATOR, Aluminum, Front to Back Cross Flow, Series System; 1588 Sq In Core, 885 Sq In Charge Air Cooler with 470 Sq in Down Flow LTR and Water to Oil Transmission Cooler

Includes:

ANTI-FREEZE, Shell Red Rotella Extended Life Coolant

DEAERATION SYSTEM with Surge Tank

HOSE CLAMPS, Radiator Hoses, Gates Shrink Band Type, Thermoplastic Coolant Hose Clamps

RADIATOR HOSES, Premium Rubber

AIR CLEANER Dual Element

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

ENGINE CONTROL, REMOTE MOUNTED; Includes Wiring for Body Builder

ENGINE WATER COOLER {Sen-Dure} Auxiliary, For Use with Fire Trucks

EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

TRANSMISSION, AUTOMATIC {ALLISON 3000 EVS_P} 4th Generation Controls; Close Ratio, 5-Speed;
With Overdrive
Includes:
OIL Level Sensor
PTO Provision
TRANSMISSION OIL PAN Magnet in Oil Pan
TRANSMISSION FLUID FILTER Mounted on Transmission

TRANSMISSION SHIFT CONTROL, Push-Button Type

SHIFT CONTROL PARAMETERS Performance Programming Primary and Economy Programming Secondary

ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS), 127/198 Includes J1939 Based Auto Neutral; Fire/Pumper, tank, Aerial/Ladder

TRANSFER CASE {Meritor T-4210 2} 2 SPD, 10,000 lb-ft Total Capacity, With Provision for PTO, With Electric Over Air Control and All Wheel Engaged Indicator Light on Instrument Panel

TRANSFER CASE LUBE {EmGard 50 W} Synthetic

OIL COOLER, TRANSFER CASE Remote Mounted Back of Cab

AXLE, REAR, SINGLE {Meritor RS-26-185} Single Reduction, Standard Track, 26,000-lb Capacity, and "R" Wheel Ends and 6.14 ratio

SUSPENSION, REAR, SPRING, Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Deep, With Quick Connect Outlet, Mounted Left Side, Under Cab

CAB Conventional 6-Man Crew Cab

Includes:
ARM REST (2) Molded Plastic; One Each Door
CLEARANCE/MARKER LIGHTS (5) Flush Mounted
COAT HOOK Located on Rear Wall, Centered Above Rear Window
FLOOR COVERING Rubber, Black
GLASS, ALL WINDOWS Tinted
GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side
GRAB HANDLE, CAB INTERIOR (4) Front and Rear of "B" Pillar, Two Each Side
INTERIOR SHEET METAL Above Window Ledge Painted Exterior Color
STEP Two Steps per Door

GRAB HANDLE, CAB INTERIOR (4) Safety Yellow

GAUGES: English with Electronic Speedometer

Includes:
GAUGE CLUSTER, Engine Oil Pressure, Water Temperature, Fuel, Tachometer, Voltmeter, Washer Fluid Level
ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout
WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery

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SEATBELT WARNING PREWIRE Includes Seat Belt Switches and Seat Sensors for all Belted Positions in the Cab and a Harness Routed to the Center of the Dash for Installation of the Data Recorder and Seatbelt Indicator Systems

GAUGE, OIL TEMP, ALLISON TRANSMISSION

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {Seats, Inc. Universal Series} 911, NFPA Compliant, Air Suspension, High Back Vinyl with Covered Back and International Logo on Head Rest Includes 3-Point, Lap and Shoulder Belt

SEAT, PASSENGER {Seats, Inc. Universal Series} 911, NFPA Compliant, Non-Suspension, High Back for SCBA, With 5 Degree Back angle, Vinyl, With International Logo on Headrest and 3-Point, Lap and Shoulder Belt

SEAT, REAR {Seats, Inc. Universal Series} 911, NFPA Compliant, Three Individual Seats on one Riser, Non-Suspension, High Back for SCBA, Vinyl With International Logo on Headrest and Two 3-Point Shoulder Belts and One 2-Point Lap Belt

GRAB HANDLE (2) Chrome Towel Bar Type with Anti-Slip Rubber Inserts; for Cab Entry Mounted Left and Right Side on Exterior

GRAB HANDLE, ADDITIONAL (2) Chrome; Towel Bar Type with Anti-Slip Rubber Inserts; Mounted Left and Right Side on Exterior, Rear of Rear Doors, With Crew Cab

MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads and Brackets

SEAT BELT All Red

INSTRUMENT PANEL Center Section, Flat Panel

CAB MOUNTING HEIGHT EFFECTS, High Cab in Lieu of Mid High Cab

AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster

Includes:

CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

FRESH AIR FILTER Attached to Air Intake Cover on Cowl

HEATER HOSES Premium

REFRIGERANT Hydro fluorocarbon HFC-134A

CAB INTERIOR TRIM Premium; for Crew Cab

Includes:

"A" PILLAR COVER Molded Plastic

CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is covered

CAB SOUND INSULATION Dash and Engine Cover Insulators

CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets, CB Radio Pocket with Speakers and Reading Lights

COURTESY LIGHT (4) Mounted In Front and Rear Map Pockets -Left and Right Sides

DOMELIGHT, CAB Rectangular, Door Activated, Timed Theater Dimming, Center Mounted, Integral to Console

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DOOR TRIM PANELS with Cloth Insert on Bolster Driver and Passenger Doors
GAUGE, TEMPERATURE, AMBIENT Includes Compass Readout with Display in Dash
HEADLINER Soft Padded Cloth
INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture), Full-Length; Front Doors
SUN VISOR (3) Padded Vinyl, 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity

CAB REAR SUSPENSION Air Bag Type

WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs.

FRONT TIRES, TWO (2) 12R22.5 XDE-M/S (MICHELIN) 483 rev/mile, load range H, 16 ply

WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

REAR TIRES, FOUR (4) 12R22.5 XDE-M/S (MICHELIN) 483 rev/mile, load range H, 16 ply

BDY INTG, REMOTE POWER MODULE Mounted Under Cab or On Battery Box; Up to 6 Outputs & 6 Inputs, Max. 20 amps. Per Channel, Max. 80 amps Total (Includes 1 Switch Pack with Latched Switches)

BDY INTG, I/O EXPANSION HARNESS, In-Cab wire harness (DLB) program only, Includes a harness with five blunt cut wires routed on lower left of instrument panel. Two ground active inputs and two (.5 Amp) relay drivers outputs are provided

REAR AXLE TOP SPEED

The rear axle/s shall be geared for a vehicle top speed in accordance with NFPA sections 4.15.2 and 4.15.3.

Units with GVWR over 26,000 pounds shall be limited to 68 mph. If the combined tank capacity is over 1250 gallons of foam and water or the GVWR is over 50,000 pounds, the vehicle top speed shall be limited to 60 mph or the fire service rating of the tires, whichever is lower.

INTERNATIONAL SAE J2433 ROLLOVER TESTING

The International chassis shall comply with SAE J2422 Cab Roof Strength Evaluation. The Cab to Chassis Mounting System shall remain attached to the vehicle chassis and in an orientation similar to its original position when subjected to 20g deceleration load in the forward direction. Components in the mounting system may become distorted or broken but never dislodge from the original mounting location.

POLISHED ALUMINUM FRONT WHEELS

The front wheels shall be 22.5 x 8.25 polished aluminum, hub piloted, disc type.

POLISHED ALUMINUM OUTER / STEEL INNER REAR WHEELS

The rear axle shall be equipped with 22.5 x 8.25 polished aluminum wheels on the outside and painted steel wheels on the inside. Steel wheels shall be painted black.

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ENGINE BRAKE

The engine shall be equipped with a compression brake to automatically slow the vehicle when the accelerator pedal is in the "off" position. This brake shall be controlled by switches mounted on the dash in a convenient location for the driver.

SCBA BRACKETS

Four (4) Zico ULLH bottle brackets and restraint strap assembly's shall be provided.

BUMPER EXTENSION

A 12" high, 96" wide, two (2) ribbed, bright finish stainless steel front bumper shall be provided. The front bumper shall be extended approximately sixteen (16) inches. A polished aluminum tread plate (3/16") gravel shield with end caps shall be installed.

STORAGE WELL

One (1) storage well constructed of 1/8" aluminum shall be installed in the gravel shield. This storage well shall be located on the left side of the bumper extension. The bottom of the storage well shall have a minimum of four (4) drain holes. Capacity of 100 ft. of 1.75" hose.

The left side front bumper hose well shall be furnished with Velcro straps to secure the hose stored in the well. The straps shall be attached to each side of the hose well with stainless steel footman loops.

STORAGE WELL

One (1) storage well constructed of 1/8" aluminum shall be installed in the gravel shield. This storage well shall be located on the right side of the bumper extension. The bottom of the storage well shall have a minimum of four (4) drain holes. Capacity of 100 ft. of 1.75" hose.

The right side front bumper hose well shall be furnished with Velcro straps to secure the hose stored in the well. The straps shall be attached to each side of the hose well with stainless steel footman loops.

WHEEL TRIM KITS

Wheel trim kits consisting of chrome baby moon hubcaps and chrome lug nut covers shall be installed on the front and rear axles of the single rear axle chassis.

MUD FLAPS

Black rubber mud flaps shall be provided on the front fenders.

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FUEL TANK TREAD PLATE

The step type fuel tank shall be overlaid with polished aluminum tread plate. This shall include the top, front and both ends. Step areas shall be provided for access to the cab. Step areas shall be fabricated from Alcoa "No-Slip" tread plate.

BATTERY BOX TREAD PLATE

The battery box shall be overlaid with polished aluminum tread plate. The cover of this box shall be easily removable for inspection of the batteries.

CENTER CONSOLE

A center console fabricated from 1/8" aluminum shall be furnished and shall be located between the driver and officer's seats. The console shall be 21-1/2" high by 18" wide by 26" long.

The forward area of the console shall have a mounting surface for emergency lighting switch panels and/or electronic siren control boxes within reach of the driver or officer. In addition, the console shall be equipped with two (2) map/notebook storage pockets at the rear of the console.

The console shall be finished with a brushed aluminum finish.

STORAGE COMPARTMENT - UNDER REAR CAB DOOR DRIVER SIDE

A hosereel storage compartment shall be mounted under the driver side rear cab door. The compartment shall be constructed of 3/16" aluminum diamond tread and 3/16" aluminum plate. This compartment shall utilize the maximum amount of space available.

STORAGE COMPARTMENT - UNDER REAR CAB DOOR OFFICER SIDE

A hosereel storage compartment shall be mounted under the officer side rear cab door. The compartment shall be constructed of 3/16" aluminum diamond tread and 3/16" aluminum plate. This compartment shall utilize the maximum amount of space available.

TIRE PRESSURE MONITORING DEVICES

Each tire shall be equipped with an air pressure indicator cap on the valve stem. Each cap shall have a visual LED indicator to show if the tire is correctly inflated.

VEHICLE DATA RECORDER

An Akron/Weldon Vehicle Data Recorder (VDR) and Seat Belt monitor system shall be provided. The system shall include an NFPA compliant "Black Box" with reporting software that shall be capable of data storage to coincide with the NFPA requirements.

Data storage capabilities shall include interfaces with the following systems:

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- Display module (Master Optical Warning Device)
- Seat belt monitoring (seat occupied with seat belt)
- Surface or panel mount
- VDR, date & time stamp
- Max Vehicle speed (MPH)
- Vehicle acceleration / deceleration (MPH/Sec.)
- Engine Speed (RPM)
- ABS event
- Data password protected
- Data sampled once per second, in 48-hour loop
- Data sampled min by min for 100 engine hours
- Throttle position (% of Throttle)
- Data software
- Data interface for data download
- PC / Mac Compatible
- Hours Driven
- Data summary reports
- Last Minute Log
- Idle Time

***** CHASSIS/BODY ELECTRICAL & ACCESSORIES *****

COMMERCIAL CHASSIS ELECTRICAL SYSTEM

The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, so as not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.

12 VOLT ELECTRICAL SYSTEM TESTING

The apparatus low voltage electrical system shall be tested and certified by the apparatus manufacture. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0°F and 100°F.

The following three (3) tests shall be performed in order. Before each test, the batteries shall be fully charged.

TEST #1-RESERVE CAPACITY TEST

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure.

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TEST #2-ALTERNATOR PERFORMANCE TEST AT IDLE

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

TEST #3-ALTERNATOR PERFORMANCE TEST AT FULL LOAD

The total continuous electrical load shall be activated with the engine running up to the engine manufacturers governed speed. The test duration shall be a minimum of 2 hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded due to excessive battery discharge, as detected by the system, or a system voltage of less than 11.7 volts DC for a 12 volt system, for more than 120 seconds, shall be considered a test failure.

LOW VOLTAGE ALARM TEST

Following completion of the preceding tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm is activated.

The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts shall be considered a test failure. The battery system shall then be able to restart the engine.

At time of delivery, documentation shall be provided with the following information:

- Documentation of the electrical system performance test
- A written load analysis of the following;
 - Nameplate rating of the alternator
 - Alternator rating at idle while meeting the minimum continuous electrical load
 - Each component load comprising the minimum continuous electrical load.
 - Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - Each individual intermittent load.

INTERNATIONAL MULTIPLEXED ELECTRICAL SYSTEM

The electrical system for the entire apparatus shall feature the International® Diamond Logic® Electrical System. This industry leading solution is built on a multiplexed architecture containing technologies in components such as solid state power switches, self calibrating gauges and low current switch devices used for driver controls, like rocker switches and HVAC controls. The low current system and solid state switching results in maximum reliability and durability.

At the heart of International® Diamond Logic™ electrical system is the Electronic System Controller (ESC) which functions as the gatekeeper or central processor. The ESC continually monitors the vehicles electrical system and controls, including the engine, transmission, cab and customer installed truck equipment, so that they all communicate and work together.

In addition the Diamond Logic® Electrical system consists of International factory installed, Remote Power Modules (RPMs) and factory installed switches and warning lights. This combination of factory installed equipment eliminates the need to cut into the chassis wiring and central wiring to one point outside the cab.

The Diamond Logic® Electrical System allows fully customizable logic to carry out functions which up until now required hard-wired circuits and component. The use of the system shall enable the manufacturer to reduce; if

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not eliminate; conventional circuit interlock and power supply components for all body builder installed functions as specified by the customer. The programmable system allows for automation of tasks, custom features and safety interlocks to meet complex application requirements resulting in increasing functionality and reducing wiring the wiring used in equipment by up to 70%.

Each vehicle shall be programmed by engineering and not only stored in engineering database, but also uploaded to International which shall enable any International Dealer location to maintain, troubleshoot or repair the entire system installed on the apparatus and NOT only the chassis.

This multiplex system controls both chassis and body functions including but not limited to emergency lighting, scene lighting, compartment lighting, and door ajar circuitry. Systems that utilize a multiplexed chassis with a hard wired body, or two different multiplex systems, shall not be considered.

BATTERY DISCONNECT SWITCH

The chassis batteries shall be wired in parallel to a single 12 volt electrical system, controlled through a heavy duty, rotary type, master disconnect switch. The master disconnect switch shall be located within easy access of the driver upon entering or exiting the cab.

120 VOLT SHORELINE CONNECTION - "SUPER" AUTO EJECT

One (1) Kussmaul "Super" Auto Eject model 091-55-20-120, automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 110 volt battery charging systems.

The disconnect shall be equipped with a NEMA 5-20 P male receptacle, which shall automatically eject the shoreline when the vehicle starter is energized. A label shall be provided indicating voltage and amperage ratings.

SHORELINE POWER INLET PLATE

A shoreline power receptacle information plate shall be permanently affixed at or near the power inlet. The plate shall indicate the following;

- Type of Line Voltage
- Current Rating in Amps Power Inlet Type (DC or AC).

The Kussmaul auto-eject connection shall be equipped with a Red weatherproof cover.

The shoreline receptacle shall be located in the driver's cab step well.

BATTERY CHARGER / AIR COMPRESSOR SYSTEM

A Kussmaul model #091-9-1000, "Pump Plus 1000" air compressor/high output battery charger shall be provided for maintaining the vehicle's air / battery system. Unique electronic sensing circuits sense the true battery voltage while eliminating the need for external sense wires. Output current shall be 15 amperes @ 12 volt DC.

The air compressor shall maintain the air pressure in the chassis air brake system while the vehicle is not in use. The air compressor shall have a rated input at 12 volt DC @ 12 amps and an output of 0.30 SCFM @ 80 psi.

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SHORELINE RECEPTACLE

Four (4) 120 volt 5-15 R household type receptacle(s) in two (2) outlet boxes shall be located as follows: (2) in the DS forward compartment on the front wall at the same height as the depth transition; (2) on the cab rear wall below the rear seats. Each receptacle shall be wired into the shoreline receptacle to provide a 120 volt power source for fire department equipment.

"DO NOT MOVE APPARATUS" WARNING LIGHT WITH AUDIBLE ALARM

A red flashing warning light with an integral audible alarm, shall be functionally located in the cab to signal when an unsafe condition is present such as an open cab door or body compartment door, an extended ladder rack, a deployed stabilizer, an extended light tower or any other device which is opened, extended or deployed which may cause damage to the apparatus if it is moved.

This light shall be activated through the parking brake switch to signal when the parking brake is released. This light shall be labeled "DO NOT MOVE TRUCK".

12 VOLT POWER PORT

{Two} 12 volt power port accessory (cigarette lighter style) outlet(s) shall be installed in the cab of the truck for the fire departments accessory devices. The lighter(s) shall be located as directed in the cab for devices such as cellular phones. Located at forward end, exterior of center console. Accessible to both driver & officer.

12 VOLT ACCESSORY CIRCUIT - CAB DASH

One (1) dedicated circuit; 12 volt, 40 Amp, power and ground on 3/8 stud and fused at battery shall be provided in the cab dash. The circuit shall be for future installation of radios or accessories. Located forward end, exterior of Center Console for (customer installed) Thermal Imaging Charger.

DOT MARKER LIGHTS AND REFLECTORS

Cab marker lights and signaling devices shall be as provided on the commercial chassis cab from the original chassis manufacturer. FMVSS reflectors shall be also be provided as required.

Truck-Lite Model #19 red LED clearance lights shall be provided on the apparatus rear upper, one (1) each side at the outermost practical location.

Truck-Lite Model # 33740R LED 3-lamp identification bar will be provided on the apparatus rear center. The lights shall be red in color.

Truck-Lite # 98034Y yellow reflectors shall be provided on the apparatus body lower side, as far forward and low as practical, one (1) each side if the apparatus is 30' long or longer.

Truck-Lite # 98034R red reflectors shall be provided on the apparatus rear, one (1) each side at the

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outermost practical location.

LICENSE PLATE LIGHT - REAR

One (1) license plate light shall be provided above the mounting position of the license plate. The light shall be clear in color.

TAIL, STOP, TURN AND BACK-UP LIGHTS

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED red combination tail and stop lights, shall be mounted one each side at the rear of the body.

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED amber arrow turn signal lights, shall be mounted one each side, on a vertical plane with the tail/stop lights.

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED white back-up lights, shall be mounted, one each side on a vertical plane with the turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.

Two (2) Whelen M6FCV4 mounting flanges, installed one (1) on each side, shall be provided to mount the lights described above in one common mounting flange. The fourth opening shall be for the lower rear warning lights.

BODY STEP LIGHTS

Chrome plated Whelen model # 0AC0EDCR, shielded LED body step lights shall be provided and controlled with marker light actuation. Step lights shall be located to properly illuminate all chassis access steps and walkway areas.

BODY LIGHTS

Two (2) 6" Unity model AG chrome plated deck lights shall be one (1) each side on top of the body. The lights shall illuminate the top of the body or serve as side scene lights on the top of the body. Control switches shall be provided on the light heads.

SCENE LIGHTS - REAR OF BODY

Two (2) Whelen M9ZC super LED scene lights shall be provided, one on each side of the rear body panel in a chrome plated flange. Each light shall draw 6 amps and generate 6,500 lumens. The scene lights shall be controlled by a rocker switch in the master warning light switch console. All scene lights shall be wired through the load management system.

SCENE LIGHTS - SIDE OF BODY, FRONT

Two (2) Whelen M9ZC super LED scene lights shall be provided. The scene lights shall be mounted one each side, to the front, on the upper side body panel in a chrome plated flange. Each light shall draw 6 amps and

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generate 6,500 lumens. The scene lights shall be controlled by a rocker switch in the master warning light switch console. All scene lights shall be wired through the load management system.

SCENE LIGHTS - SIDE OF BODY, REAR

Two (2) Whelen M9ZC super LED scene lights shall be provided. The scene lights shall be mounted one each side, to the rear, on the upper side body panel in a chrome plated flange. Each light shall draw 6 amps and generate 6,500 lumens. The scene lights shall be controlled by a rocker switch in the master warning light switch console. All scene lights shall be wired through the load management system.

GROUND LIGHTS - CAB

One (1) Amdor Luma Bar H2O LED 20" ground light shall be provided under each side cab door entrance step, four (4) total. The ground lights shall turn on automatically with each respective door jamb switch and also by a master ground light switch in the warning light switch console.

Each light shall illuminate an area at a minimum 30" outward from the edge of the vehicle.

GROUND LIGHTS - REAR

One (1) Amdor Luma Bar H2O LED 20" ground light shall be provided under each rear body corner, two (2) total. The ground lights shall be activated by a master ground light switch in the cab and shall be wired through the load management system.

****** BODY ELECTRICAL SYSTEM ******

12 VOLT BODY ELECTRICAL SYSTEM

All electrical lines in the body shall be protected by automatic circuit breakers, conveniently located to permit ease of service. Flashers, heavy solenoids and other major electrical controls shall be located in a central area near the circuit breakers.

All lines shall be color and function coded every 3", easy to identify, oversized for the intended loads and installed in accordance with a detailed diagram. A complete wiring diagram shall be supplied with the apparatus.

Wiring shall be carefully protected from weather elements and snagging. Heavy duty loom shall be used for the entire length. Grommets shall be utilized where wiring passes through panels.

In order to minimize the risk of heat damage, wires run in the engine compartment area shall be carefully installed and suitably protected by the installation of heat resistant shielded loom.

All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901.

PUMP ENCLOSURE WORK LIGHTS

Two (2) Peterson model #M391 lights shall be provided inside the pump enclosure providing a minimum of 20 candlepower illumination. Each light shall have their own independent switch incorporated into the light head.

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ENGINE COMPARTMENT WORK LIGHTS

Two (2) Peterson model #M391 lights shall be provided inside the engine enclosure that will provide a minimum of 20 candlepower illumination. Each light shall have their own independent switch incorporated into the light head.

COMPARTMENT LIGHTS - LED

Each exterior compartment shall have one (1) Whelen # PSC0CDCR, LED strip light. Each light shall come on automatically when the respective door is opened and the master battery switch is on.

NFPA LIGHTING PACKAGE

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901 Fire Apparatus Standard. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" as noted.

LIGHT PACKAGE ACTUATION CONTROLS

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

UPPER LEVEL LIGHTING - WHELEN

NFPA ZONE A, UPPER

Whelen # JE2NFPA "Justice", 56" LED cab roof warning lightbar shall be furnished and rigidly mounted on top of the cab roof. The lightbar shall be equipped with the following:

- Four Corner Red Linear 6 LED's
- Four Red Forward Facing CON 3 LED's
- Two White Forward Facing CON 3 LED's.

The forward facing clear LED flashers shall be disabled automatically for the "Blocking Right of Way" mode.

NFPA ZONE C, UPPER

Two (2) surface mounted Whelen M6R super LED light heads shall be furnished and mounted one (1) each side on the upper rear face of the body, facing rear. Each upper rear LED flashing light head shall be equipped with a red lens and chrome plated flange.

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NFPA ZONES B & D REAR, UPPER

Two (2) surface mounted Whelen M6R super LED light heads shall be furnished and mounted one (1) each side on the upper side face, towards the rear of the body, facing to each side of the unit. Each upper rear LED light head shall be equipped with a red lens and chrome plated flange.

NFPA ZONES B & D FRONT, UPPER

Two (2) surface mounted Whelen M6R, super LED light heads shall be furnished and mounted one (1) each side on the upper side face, towards the front of the body, facing to each side of the unit. Each upper front LED light head shall be equipped with a red lens and chrome plated flange.

LOWER LEVEL LIGHTING - WHELEN

NFPA ZONE A, LOWER

Two (2) Whelen # 50R02ZRR Linear LED light heads shall be provided and installed one (1) each side. Each light shall be equipped with a red lens and # 5LSMAC, flush mount, chrome plated mounting flange.

The lower zone A warning lights shall be mounted in the commercial chassis grille.

NFPA ZONE C, LOWER

Two (2) Whelen #M6R super LED light heads shall be provided and installed; one (1) each side directly below the DOT stop, tail, turn and backup lights. Each light shall be equipped with a red lens and chrome plated mounting flange.

NFPA ZONES B & D FRONT, LOWER

Two (2) Whelen # 50R02ZRR linear LED flashing light heads shall be provided and installed one (1) each side. Each light shall be equipped with a red lens and # 5LSMAC, flush mount, chrome plated mounting flange.

The lower zone B & D warning lights shall be mounted on the sides of the commercial chassis hood.

NFPA ZONES B & D REAR, LOWER

Two (2) Whelen # M6R super LED light heads shall be provided and installed one (1) each side. Each light shall be equipped with a red lens and chrome plated mounting flange.

WARNING LIGHT SYSTEM CERTIFICATION

The warning light system(s) specified above shall not exceed a combined total amperage draw of 45 AMPS with all lights activated in either the "Clearing Right of Way" or the "Blocking Right of Way" mode.

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The warning light system(s) shall be certified by the light system manufacturer(s), to meet all of the requirements in the current revision of the NFPA 1901 Fire Apparatus Standard as noted in the General Requirements section of these specifications. The NFPA required "Certificate of Compliance" shall be provided with the completed apparatus.

BACK-UP ALARM

A Code 3, model # D450C, 87dBA back-up alarm, shall be provided and installed at the rear of the apparatus under the tailboard. The back-up alarm shall activate automatically when the transmission is placed in reverse gear and the ignition is "on".

ELECTRONIC SIREN

One (1) Whelen # 295SLSA1, 100 watt electronic siren shall be provided featuring: bottom mount control head in cab, "Si-Test" self diagnostic feature, six (6) function siren, radio repeat and public address.

The electronic siren and speaker shall meet the NFPA required SAE certification to ensure compatibility between the siren and speaker.

One (1) Whelen, model # SA122FMP polished aluminum siren speakers shall be provided, recessed in the front bumper and wired to the electronic siren.

FEDERAL Q2B MECHANICAL SIREN

One (1) Federal Model #Q2B mechanical siren shall be provided to provide audible warning.

The Q2B siren shall be wired through the load management system to prevent excessive amperage draw. The siren shall be provided in addition to the required minimum NFPA audible warning requirements.

The Q2-B siren shall be fully-recessed into the center of the bumper. The siren shall be recessed so the front grille portion of the siren is flush with the front of the bumper.

A Linemaster # 632 floor mounted foot switch shall be provided for the officer. A siren brake button shall be provided near the driver's position.

A rocker switch shall be installed in the dash panel to allow control of either the air horn or the siren from the steering wheel horn button for the driver.

**** PUMP AND PLUMBING ****

HALE INTERFACE 1500/100 PUMPING SYSTEM

The pump system will be a Hale urban interface pumping system designed for 1500 gpm stationary flow and 100 gpm pump-and-roll performance.

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1500 GPM STATIONARY PERFORMANCE

While in stationary pumping mode, the pump system must deliver the percentage of rated capacity at the pressure listed below (at sea level):

- 100% of rated capacity at 150 P.S.I. net pump pressure.
- 100% of rated capacity at 165 P.S.I. net pump pressure
- 70% of rated capacity at 200 P.S.I. net pump pressure.
- 50% of rated capacity at 250 P.S.I. net pump pressure.

100 GPM PUMP-AND-ROLL PERFORMANCE

While in pump-and-roll, the system shall be capable of delivering at least 100 gpm at 150 psi at 780 engine rpm. In low range / low gear, this will translate to a road speed of less than 2 mph.

Note: This pump will be capable of being operated in stationary mode when lower volume flows are required.

PUMP ASSEMBLY

The pumping system shall be of a size and design to mount on the chassis rails of commercial and custom truck chassis.

The pumping system shall consist of two (2) impellers and two (2) pump casings, one for stationery pumping and one for pump-and-roll. Each impeller shall have a separate drive system optimized for its intended use, whether stationery or pump-and-roll.

PUMP CONSTRUCTION

The pump assemblies shall be cast, manufactured and tested at the pump manufacturer's factory.

The pump shall be driven by drive lines from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.

The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI (41.3 BAR). The pump shall be fully tested at the pump manufacturer's factory to the performance spots as outlined by the latest NFPA Standard 1901. Pump shall be free from objectionable pulsation and vibration.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2069 BAR). All moving parts in contact with water shall be of high quality bronze or stainless steel. Pumps utilizing castings made of lower tensile strength cast iron are not acceptable.

Pump body shall be vertically split, on a single plane, for easy removal of impeller assembly, including clearance rings.

PUMP SHAFT

Pump shaft to be rigidly supported by two bearings for minimum deflection. The bearings shall be heavy-duty, deep groove ball bearings in the gearbox and they shall be splash lubricated.

MECHANICAL SHAFT SEAL

The pumping assembly shall be equipped with a high quality, spring loaded, self-adjusting mechanical seal

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capable of providing a positive seal to atmosphere under all pumping conditions. This positive seal to atmosphere must be achievable under vacuum conditions up to 26 Hg (draft) or positive suction pressures up to 250 PSI.

The mechanical seal assembly shall be 2 inches in diameter and consists of a carbon sealing ring, stainless steel coil spring, Viton rubber boot, and a tungsten carbide seat with a Teflon backup seal provided.

Only one (1) mechanical seal shall be required, located on the suction side of the pump and be designed to be compatible with a one piece pump shaft. A continuous cooling flow of water from the pump shall be directed through the seal chamber when the pump is in operation.

PUMP IMPELLER

Pump impeller shall be hard, fine grain bronze of the mixed flow design; accurately machined, hand-ground and individually balanced. The vanes of the impeller intake eye shall be hand-ground and polished to a sharp edge, and be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

Impeller clearance rings shall be bronze, easily renewable without replacing impellers or pump volute body.

The pump shaft shall be heat-treated, electric furnace, corrosion resistant, stainless steel. Pump shaft must be sealed with double lip oil seal to keep road dirt and water out of gearbox.

PUMP AND ROLL DRIVE UNIT

The pump-and-roll drive unit, as well as the entire pump, shall be completely manufactured at the pump manufacturer's factory. The drive unit bearings shall be heavy duty and precision ground to size. The drive unit shall be of sufficient size to withstand the full torque of the pumping operation. The drive unit shall have ample capacity for lubrication reserve and maintaining the proper operating temperature.

All gears shall be of highest quality steel alloys. They shall have case hardened teeth, to give long life, smooth, quiet running and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

STATIONARY PUMP GEARBOX

The stationary pump drive unit shall be completely assembled and tested at the pump manufacturer's factory.

The drive unit shall be of sufficient size to withstand up to 16,000 lbs. ft. of torque of the engine in both road and pump operating conditions. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat treated chrome nickel steel and at least 2-3/4 inches in diameter on both the input and output drive shafts. They shall withstand the full torque of the engine in both road and pump operating conditions.

All gears both drive and pump, shall be of the highest quality electric furnace chrome nickel steel. Bores shall be ground to size and teeth integrated, crown-shaved and hardened, to give an extremely accurate gear for long life, smooth, quiet running and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

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PUMP RATIO

The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.

The manufacturer shall supply at time of delivery copies of the pump manufacturer's certification of hydrostatic testing, the engine manufacturer's current certified brake horsepower curve.

POWER TAKE OFF (PTO)

A Chelsea hot shift Power Take Off shall be provided to drive the Hale CBP pump. The PTO shall be controlled by an electric "Hot-Shift" lighted rocker switch on the cab dash.

PUMP SHIFT

The fire pump gearbox shall be permanently locked in pump mode at the factory. The actual shift to pump shall take place with the Meritor Transfer Case PTO. An electronic switch provided on the dashboard of the fire apparatus as part of the Navistar Diamond Logic System shall control the transfer case.

PTO PUMP SHIFT INDICATOR LIGHTS

Three (3) green warning lights shall be provided to indicate to the operator when the PTO has completed the shift for Road to Pump position. The PTO switch shall illuminate and a light located on the instrument panel. One (1) green light shall be provided on pump operator's panel adjacent to the throttle control. All lights to have appropriate identification/instruction plates.

TRANSMISSION LOCK

The automatic transmission furnished in the chassis shall have a lock-up assembly which brings the transmission to direct drive and prevents the transmission from shifting gears while in the stationary pumping mode.

BRAKING SYSTEM

A positive braking system shall be provided to prevent vehicle movement during stationary pumping operations. The air brakes furnished must satisfy this requirement.

MAIN PUMP MOUNTS

Extra heavy duty pump mounting brackets shall be furnished. These shall be bolted to the frame rails in such a position to perfectly align the pump so that the angular velocity of the drive line joints shall be the same on each end of the drive shaft. This shall assure full capacity performance with a minimum of vibration. Mounting hardware shall utilize Grade 8 bolts.

Pumps which are not mounted directly to the frame will not be considered. Under no circumstance shall the pump function as a frame cross member.

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PTO PUMP MOUNTS

Extra heavy duty pump mounting brackets shall be furnished. These shall be bolted to the frame rails in such a position to perfectly align the pump with the PTO, so that the angular velocity of the drive line joints shall be the same on each end of the drive shaft. This shall assure full capacity performance with a minimum of vibration. Mounting hardware shall utilize Grade 8 bolts.

PUMP MANIFOLDS

A custom made suction and discharge manifold shall be constructed from stainless steel weld pipe and/or tubing. The manifold shall be designed to provide maximum efficiency for the suction inlets and the discharges.

The high volume impeller will supply all discharges. The low volume impeller will supply the preconnects, hose reel(s), and the front discharge/turret as applicable. Check valves shall be provided between the sections of manifold to prevent high pressure backflow and damage to the pump.

******* PRESSURE CONTROL & ACCESSORIES *******

CLASS ONE "TPG" PRESSURE GOVERNOR

Apparatus shall be equipped with a Class 1 "Total Pressure Governor" (TPG) that is connected to the Electronic Control Module (ECM) mounted on the engine. The "TPG" shall operate as a pressure sensor (regulating) governor (PSG) utilizing the engines J1939 data for optimal resolution and response.

Programmable presets for RPM and Pressure settings shall be easily configurable using the TPGs straightforward menu structure.

The "TPG" shall also include indication of engine RPM, system voltage, engine oil pressure and engine temperature with audible alarm output for all. The "TPG" uses the J1939 data bus for engine information, requiring no additional sensors to be installed.

PUMP AND ROLL PUMP - RELIEF VALVE

A Ross relief valve shall be furnished to relieve pump pressure on the discharge side of the low volume impeller. This relief valve shall be factory preset at 250 P.S.I. and shall be plumbed to discharge water to the suction side of the pump and / or the tank.

AKRON INTAKE RELIEF VALVE

An Akron Model 59 intake relief valve system shall be plumbed on the suction side of the pump to comply fully with NFPA-1901 requirements. Excess pressures shall be plumbed to discharge water under the pump enclosure away from the pump operator.

PUMP CERTIFICATION

The pump shall be third party performance tested to meet the requirements of NFPA-1901. To ensure top quality and integrity, the test company shall be Underwriter's Laboratories (UL). NO EXCEPTIONS!

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PRIMING SYSTEM

The priming pump shall be a 12-volt Hale model ESP Oil-Less, positive displacement vane type primer, electrically driven. One priming control shall open the priming valve and start the priming motor. The primer shall be capable of priming without the use of primer oil. The primer shall be connected to the power source with a 300 amp fusible link.

The Hale primer shall be activated by a manual valve located on the pump operator's panel. The valve shall activate the primer motor, which shall create a vacuum. Valve actuation may be accomplished while the main pump is operational, if necessary to assure complete prime.

MASTER DRAIN VALVE

A rotary type, 12 port master drain valve shall be provided and controlled at the lower portion of the side pump panel. The valve shall be located in pump compartment lower than the main body and connected in such a manner as to allow complete water drainage of the pump body and all required accessories. Water shall be drained below the apparatus body and away from the pump operator.

MASTER DRAIN VALVE

A Class One, air operated, multi-port master drain valve shall be provided and controlled at the lower portion of the side pump panel. The valve shall be located in pump compartment lower than the main body and connected in such a manner as to allow complete water drainage of the pump body and all required accessories. Water shall be drained below the apparatus body and away from the pump operator. The drain control will be located on the main pump panel.

INDIVIDUAL BLEEDERS AND DRAINS

All lines shall drain through the master drain valve or shall be equipped with individual drain valves, easily accessible and labeled.

One (1) individual "TRIDENT" quarter turn drain valve shall be furnished for each 1-1/2" or larger discharge port and each 2-1/2" gated auxiliary suction.

Drain/bleeder valves shall be located at the bottom of the side pump module panels.

All drains and bleeders shall discharge below the running boards.

SYNFLEX SUCTION, DISCHARGE, PRESSURE AND CONTROL LINES

Small lines within the pump enclosure shall be constructed from Synflex hose. Uses include, but are not limited to such lines as priming control, gauge lines, drain lines, air control valves, pump shift, supplemental cooling, foam flush and air bleeder valves.

PUMP MODULE INTEGRATED INTO THE BODY

In order to minimize the wheelbase while maximizing the effective use of the available space, the pump

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module shall be integrated into the forward portion of the apparatus body. The pump and plumbing shall be accessible via a hinged access panel from the driver's side pump panel, removable panels in the right side compartment, and through the top of the hosebed.

**** PUMP SUCTION & AUXILIARY INLETS ****

SUCTION INLET

Two (2) 6" N.S.T. suction inlets shall be provided, one on the driver side pump panel, and one in the officer's side front compartment. A removable strainer shall be installed on each inlet.

INTAKE BUTTERFLY VALVE - ELECTRIC OPERATED

The fire pump shall be fitted with a Hale Master Intake Valve (MIV), on the officer side main suction inlet. The valve shall be mounted between the suction tube extension and the suction tube, and shall be recessed behind the operator's panel. The valve body and all related components that are in contact with water shall be manufactured of fine grained, corrosion resistant bronze. The valve shall have a bore of 6.40". The valve shall incorporate a pressure relief valve, set at the pump manufacturer's facility to a rating of 125 PSI. The pressure relief valve shall provide protection for the suction hose even with the valve in the closed position. The valve shall incorporate NFPA-1901 compliant, large diameter hose air bleed valve, controlled at the pump operator's panel.

The valve shall be operated by a twelve (12) volt DC motor, as standard. It shall also incorporate a hand wheel control manual override, mounted at the suction inlet. The electric control located at the pump operator's panel shall incorporate a placard with status lights to indicate whether the valve is in the closed, open or throttled position. The valve shall not be able to move from fully open to fully closed in under three (3) seconds, in compliance with NFPA-1901.

PUMP SUCTION ENDS

The main pump suction inlets shall be furnished with a short suction end, terminating with only the suction threads protruding through the side panel to minimize the distance an exterior appliance protrudes beyond the pump panel.

One (1) 6" NST chrome plated long handle pressure vented cap shall be installed on the main inlet of the pump.

AUXILIARY SIDE SUCTION(S)

One (1) 2-1/2" auxiliary suction shall be provided at the driver side pump panel, to the rear of the main inlet. The 2-1/2" auxiliary suction shall terminate with a removable strainer, chrome plated 2-1/2" NST female swivel with a chrome plated plug and retaining chain.

A 2 1/2" Akron # 8800 series full flow, stainless steel ball valve shall be provided for the driver side rear auxiliary suction.

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A 1/4 turn swing control handle shall be provide on the driver side rear auxiliary suction valve

One (1) 2-1/2" auxiliary suction shall be provided at the officer side pump panel, to the rear of the main inlet. The 2-1/2" auxiliary suction shall terminate with a removable strainer, chrome plated 2-1/2" NST female swivel with a chrome plated plug and retaining chain.

A 2 1/2" Akron # 8800 series full flow, stainless steel ball valve shall be provided for the officer side rear auxiliary suction.

A 1/4 turn swing control handle shall be provided on the officer side rear auxiliary suction valve.

All side gated inlet valves shall be recess mounted behind the side pump panels or body panels. (No Exceptions)

TANK TO PUMP

One (1) 3" tank to pump line shall be piped through the front bulkhead of the tank with a 90 degree elbow down into the tank sump. This line shall be plumbed directly into the rear of the pump suction manifold for maximum efficiency.

A check valve shall be provided to prevent accidental pressurization of the water tank through the pump connection. Connection from the valve to the tank shall be made by using a non-collapsible flexible rubber hose.

A 3" Akron # 8800 series full flow, stainless steel ball valve shall be provided between the pump suction manifold and the water tank.

A push/pull control handle shall be located on the operator's panel with function plate.

TANK FILL

One (1) 2" gated full flow pump to tank refill line controlled at the pump panel shall be provided. A deflector shield inside the tank shall be furnished. Tank fill plumbing shall utilize 2" high pressure hose for tank connection to accommodate flexing between components. (NO EXCEPTIONS)

A 2" Akron, # 8800 series, full flow, stainless steel ball valve shall be provided between the pump discharge manifold and the water tank.

A push/pull control handle shall be located on the operator's panel with function plate.

***** DISCHARGES & ACCESSORIES -SIDE MOUNT *****

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DRIVER'S SIDE MAIN DISCHARGE #1

A discharge shall be provided and located at the driver's side pump panel. The driver's side discharges # 1 shall terminate with NST threads, through the left panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

A 2 1/2" Akron, # 8800 series, full flow, stainless steel ball valve shall be provided for the driver's side # 1 discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The discharge valve shall be equipped with integral 2 1/2" NST, 30 degree, chrome plated elbow.

A 2 1/2 " NST chrome plated pressure vented cap shall be installed on driver's side #1 discharge.

The driver's side # 1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The driver's side # 1 discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

OFFICER'S SIDE MAIN DISCHARGE #1

A discharge shall be provided and located at the officer's side pump panel. The officer's side discharges #1 shall terminate with NST threads, through the officer's side panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

A 2 1/2" Akron, # 8800 series, full flow, stainless steel ball valve shall be provided for the officer's side #1 discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The discharge valve shall be equipped with a straight 2 1/2" NST adapter that shall be equipped with a 2 1/2" NST, 30-degree, chrome plated elbow.

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A 2 1/2" NST chrome plated pressure vented cap shall be installed on officer's side # 1 discharge.

The officer's side # 1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The officer's side # 1 discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

OFFICER'S SIDE MAIN DISCHARGE #2

A discharge shall be provided and located at the officer's side pump panel. The officer's side discharges #2 shall terminate with NST threads, through the officer's side panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

A 4" Akron, # 8840 series, full flow, flat ball valve shall be provided for the officer's side #2 discharge.

The discharge valve shall be equipped with a straight 4" NST adapter.

The officer's side #2 discharge valve shall be equipped with an Akron Brass Style 9313 Valve Controller. The electric controls must be of current limiting design, requiring no clutches in the motor. The unit must have boot switches with momentary open and close as well as an optional one touch full open feature to operate the actuator. The unit must provide position indication through 10 LED light indicators for maximum visibility.

The officer's side #2 discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

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A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

OFFICER SIDE REAR DISCHARGE

A 2 1/2" NST rear discharge shall be provided at the rear of the vehicle, plumbed from the pump.

The rear discharge shall terminate on the rear body panel, on the officer side of the body.

The officer side rear discharge pipe shall be equipped with a chrome 2 1/2" NSTM thread adapter.

The officer side rear discharge shall be plumbed utilizing 2 1/2" schedule 40, galvanized piping, 45 degree threaded elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the rear of the vehicle.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and serviceability.

A 2 1/2" Akron, # 8800 series, full flow, stainless steel ball valve shall be provided for the officer side rear discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The officer side rear discharge valve shall be equipped with an Akron Brass Style 9313 Valve Controller. The electric controls must be of current limiting design, requiring no clutches in the motor. The unit must have booted switches with momentary open and close as well as an optional one touch full open feature to operate the actuator. The unit must provide position indication through 10 LED light indicators for maximum visibility.

One (1) 2 1/2" NST chrome plated pressure vented cap(s) shall be installed at the officer side rear discharge.

The officer side rear discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

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DRIVER SIDE HOSE BED DISCHARGE

A 2 1/2" NST rear hose bed discharge shall be plumbed to the upper front body panel, extending into the front of the hose bed.

The rear hose bed discharge shall terminate just above the hosebed floor, in the driver side front of the hose bed.

The driver side hose bed discharge pipe shall be equipped with a chrome 2 1/2" NSTM thread adapter.

The driver side hose bed discharge shall be plumbed utilizing 2 1/2" schedule 40, galvanized piping, 45 degree threaded elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the rear of the vehicle.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and serviceability.

A 2 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the driver side hose bed side rear discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The driver side hose bed discharge valve shall be controlled by a push/pull handle located on the operator's panel.

One (1) 2 1/2" NST chrome plated pressure vented cap(s) shall be installed the driver's side hose bed discharge.

The driver's side hose bed discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

DECK GUN DISCHARGE

A deck gun discharge shall be plumbed from the pump to an area on top of the vehicle. The deck gun piping shall be firmly supported and braced.

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The deck gun discharge shall be located in the dunnage area above the pump module on the officer's side of the vehicle. A pedestal type, 1/4" steel plate support assembly shall be provided to stabilize deck gun plumbing below deck gun mount flange.

The deck gun discharge pipe shall terminate with 3" NPT threads.

The deck gun piping shall be designed so the overall height of the deck gun in the mounted/stowed position does not exceed the tallest point on the cab/body.

The deck gun discharge shall be plumbed utilizing 3" schedule 40, galvanized piping, 45 degree threaded elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the deck gun location.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and serviceability.

A 3" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the deck gun discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The deck gun discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The deck gun discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

FRONT DISCHARGE

A 2 1/2" front #1 discharge shall be plumbed to the front bumper of the vehicle.

The front #1 discharge shall terminate on the top officer's side of the front bumper extension gravel shield with a chrome 2 1/2" NST chicksan swivel adapter.

The front #1 discharge shall be plumbed utilizing 2 1/2" schedule 40, galvanized piping, 45 degree threaded elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the front of the vehicle.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and

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serviceability. Automatic discharge drains shall be provided at all low points in the plumbing.

A 2 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the front #1 discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The front #1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

A 2 1/2" NST chrome plated pressure vented cap shall be installed the front #1 discharge.

The front #1 discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

DRIVER SIDE PRECONNECT

A 1-1/2" preconnect shall be plumbed to the driver side preconnect #1 located in the pump enclosure area.

The driver side preconnect #1 shall terminate with a chrome 1 1/2" NST chicksan swivel adapter in a location as directed by engineering.

The driver's side preconnect #1 shall be plumbed utilizing 2" schedule 10, stainless steel piping to the driver side storage compartment area.

A 2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the driver side preconnect #1. The valve shall be equipped with the Akron "Tork-Lok" feature.

A driver side preconnect #1 valve shall be controlled by a push/pull handle located on the operator's panel.

A 1 1/2" NST chrome plated pressure vented cap shall be installed on the driver side preconnect #1.

The driver side preconnect #1 shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to

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dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to $+160^{\circ}\text{F}$.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of $\pm 1.5\%$ full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

OFFICER SIDE PRECONNECT

A 1-1/2" preconnect shall be plumbed to the officer side preconnect #2 located in the pump enclosure area.

The officer side preconnect #2 shall terminate with a chrome 1 1/2" NST chicksan swivel adapter in a location as directed by engineering.

The officer side preconnect #2 shall be plumbed utilizing 2" schedule 10, stainless steel piping to the officer side storage compartment area.

A 2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the officer side preconnect #2. The valve shall be equipped with the Akron "Tork-Lok" feature.

A officer side preconnect #2 valve shall be controlled by a push/pull handle located on the operator's panel.

A 1 1/2" NST chrome plated pressure vented cap shall be installed on the officer side preconnect #2.

The officer side preconnect #2 shall be equipped with a 2 1/2" diameter No-Shok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to $+160^{\circ}\text{F}$.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of $\pm 1.5\%$ full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

BOOSTER REEL #1 DISCHARGE

A 1 1/2" booster reel discharge shall be plumbed from the pump to the booster reel.

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The booster reel discharge shall be plumbed from the valve to the hose reel utilizing 1" high pressure hose. The end of the hose connected to the hose reel shall be equipped with a swivel end for ease in hose replacement.

A 1 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the booster reel #1 discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The booster reel discharge valve shall be air operated with a Class One air cylinder and control switch located on the operator's panel with function plate.

The booster reel discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

BOOSTER REEL #1

One (1) painted steel electric rewind booster reel shall be furnished. The reel shall be equipped with a water lubricated; self flushing, bronze swivel joint and an adjustable brake for freewheeling, drag or full lock operation.

The booster reel #1 shall be mounted under the rear cab extension on the driver's side.

Booster reel rewind shall be controlled by a push button near the reel. The booster reel circuit shall be equipped with a shielded toggle switch to act as a booster reel disconnect to avoid accidental actuation of the booster reel rewind button.

Each booster reel shall be designed to accommodate 50' of 1" booster hose.

BOOSTER REEL #2 DISCHARGE

A 1 1/2" booster reel discharge shall be plumbed from the pump to the booster reel.

The booster reel discharge shall be plumbed from the valve to the hose reel utilizing 1 1/2" high pressure hose. The end of the hose connected to the hose reel shall be equipped with a swivel end for ease in hose replacement.

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A 1 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the booster reel #2 discharge. The valve shall be equipped with the Akron "Tork-Lok" feature.

The booster reel discharge valve shall be air operated with a Class One air cylinder and control switch located on the operator's panel with function plate.

The booster reel #2 discharge shall be equipped with a 2 1/2" diameter Noshok pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with a synthetic mixture to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

BOOSTER REEL #2

One (1) painted steel electric rewind booster reel shall be furnished. The reel shall be equipped with a water lubricated; self flushing, bronze swivel joint and an adjustable brake for freewheeling, drag or full lock operation.

The booster reel #2 shall be mounted under the rear cab extension on the officer's side.

Booster reel rewind shall be controlled by a push button near the reel. The booster reel circuit shall be equipped with a shielded toggle switch to act as a booster reel disconnect to avoid accidental actuation of the booster reel rewind button.

Each booster reel shall be designed to accommodate 50' of 1" booster hose.

******* CONCENTRATE PIPING & FOAM SYSTEM *******

FOAM PIPING

All foam concentrate plumbing from the tank or auxiliary foam inlet to the foam system components shall be stainless steel.

The foam system piping shall incorporate a check valve to prevent water from entering the foam tank; the discharge piping shall also include a check valve to prevent foam solution from back feeding into the discharge side of the pump. Individual discharge piping shall be as specified for each discharge.

The complete foam system shall be tested in accordance with Chapter 17 of NFPA-1901.

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FOAMPRO FOAM INJECTION SYSTEM

A FoamPro model 1600, electronic, fully automatic, variable speed, direct injection, discharge side foam proportioning system shall be installed in the pumping system. The system shall be capable of handling Class "A" foam concentrate. The foam proportioning operation shall be based on direct measurement of water flows, and remain consistent within the specified flows and pressures. System shall be capable of delivering accuracy to within 3% of calibrated settings over the advertised operation range when installed according to factory standards. The system shall be equipped with a control module suitable for installation on the pump panel. Incorporated within the motor driver shall be a microprocessor that receives input from the system flowmeter, while also monitoring foam concentrate pump output, comparing values to ensure that the operator preset proportional amount of foam concentrate is injected into the discharge side of the fire pump. A paddlewheel-type flowmeter shall be installed in the discharge or manifold system specified to be "foam capable".

A 12 or 24-volt electric motor driven positive displacement plunger pump shall be provided. The pump capacity shall be 1.7 GPM (6.4 L/min) at 200 psi (13.8 BAR) with a maximum operating pressure up to 400 psi (27.6 BAR). The system shall draw a maximum of 30 amps @ 12 VDC or 15 amps @ 24 VDC. The motor shall be controlled by the microprocessor (mounted to the base of the pump). It shall receive signals from the control module and power the 1/3 hp (.25 Kw) electric motor in a variable speed duty cycle to ensure that the correct proportion of concentrate is injected into the water stream. A full flow check valve shall be provided in the discharge piping to prevent foam contamination of fire pump and water tank. A 5-psi (.35 BAR) opening pressure check valve shall be provided in concentrate line.

The control module shall enable the pump operator to:

- Activate the foam proportioning system
- Select proportioning rates from 0.1% to 1.0%
- See a "low concentrate" warning light flash when the foam tank runs low and in two minutes, if foam concentrate is not added to the tank, shut the foam concentrate pump down

Components of the complete proportioning system as described above shall include:

- Operator control module
- Paddlewheel flowmeter
- Pump and electric motor/motor driver
- Wiring harnesses
- Low-level tank switch
- Foam injection check valve
- Main waterway check valve

Accurate concentration proportioning can be achieved, based on the following water flows:

- 170 GPM water 1.0% concentration, class A
- 340 GPM water 0.5% concentration, class A
- 850 GPM water 0.2% concentration, class A

Note: Multiple discharges plumbed to this system may affect performance if the flow rates are exceeded by any one discharge or the totality of multiple discharges at one time!

The discharge piping shall be equipped with a properly sized flowmeter sensor, based on the systems capabilities.

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The foam system shall be plumbed to the following discharge/s through the discharge piping or manifold system:

- 1-1/2" preconnects
- Hosereels
- Front discharge

The foam proportioning system shall be supplied from the foam concentrate storage tank/s. The tank/s shall be constructed of materials compatible with foam concentrates being used in the system. Tank capacity, venting, fill opening and foam outlet plumbing connections shall be in accordance with NFPA requirements. Foam tank lid shall be sealed and latched in accordance with NFPA standards. If required a provision shall be made for installation of low tank level sensors and routing of the wiring for the sensors.

FOAM CONCENTRATE

The foam system shall be capable of injecting the following foam concentrates:

- **No Class A foam selected.**
- **No Class B foam selected or Class B foam system present.**

****** PUMP PANEL & ACCESSORIES ******

PUMP PANEL - SIDE MOUNT

The pump operator's control panel shall be located on the driver side of the apparatus. The pump enclosure side panels shall be completely removable and designed for easy access and servicing.

PUMP PANEL - SIDE MOUNT RIDGE RUNNER OFFICER SIDE

The pump access panels shall be designed for easy access and servicing.

PUMP PANEL MATERIAL

The left side operator's panel, gauge panel, right side pump panel and right side access door shall be fabricated from 14-gauge 304L stainless steel with a #4, (150/180 grit), standard brushed finish.

HINGED GAUGE PANEL

A full width, vertically hinged gauge access panel shall be provided at the operator's position. Chrome plated

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positive locks shall be provided along with chain holders to prevent the front of the gauge panel from coming in contact with other panels when open.

VERTICALLY HINGED, SPLIT PUMP PANEL OFFICER SIDE

The officer's side pump panel shall be split, vertically hinged, to provide complete access to the pump and plumbing on the officer side of the pump enclosure. The panels shall be equipped with stainless steel hinges and secured with push type locks to hold the panels closed. The drains located on the officer's side panel shall be fastened to the lower panel, which shall be stationary.

PUMP ACCESS WITH HINGED DOOR

A full access panel will be provided in the right side forward compartment for maintenance access to the pump. An 18 inch high by a minimum of 18 inch wide, hinged pump enclosure access door shall be provided.

PANEL FASTENERS

Stainless steel machine screws and lock washers shall be used to hold these panels in position. The panels shall be easily removable to provide complete access to the pump for major service.

CAPS AND ADAPTERS SAFETY TETHER

All applicable discharge and suction caps, plugs and adapters shall be equipped with chrome plated ball chain or double looped coil chain and secured to the vehicle.

PUMP PANEL TRIM PLATES

A high polish stainless steel trim plate shall be provided around each discharge port and suction inlet opening to allow accessibility to the respective valve for service and repairs.

DISCHARGE GAUGE TRIM BEZELS

Each individual discharge gauge shall be installed into a decorative chrome-plated mounting bezel that incorporates valve-identifying verbiage and color labels.

COLOR CODED IDENTIFICATION TAGS

Color coded identification tags shall be provided for all gauges, controls, connections, switches, inlets and outlets.

PUMP OPERATOR'S PANEL LIGHT SHIELD

The pump operator's panel shall be equipped with a light shield that shall be full width of the control panel, and shall be positioned to cover the lights and prevent glare.

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The light shield shall be equipped with the following lights:

- Four (4) Weldon #2630 halogen lights.

One (1) light under the operator's panel light shield shall be actuated when fire pump is engaged in addition to the pump engaged light.

OFFICER SIDE PANEL LIGHTING

The officer's side pump panel and running board shall be illuminated by the following lights:

- Two (2) Weldon #9186 halogen shielded step lights.

The lights shall be switched with the main pump panel lights.

PUMP OPERATOR'S PANEL

Particular attention is to be given to functional arrangement of all controls. The pump operator's panel shall accommodate the following:

- Hinged gauge panel
- Water tank fill valve
- Auxiliary suction valve control
- All discharge valve controls
- Auxiliary engine cooler controls
- Water tank suction control valve
- Pump primer valve
- Engine throttle control
- Master compound vacuum gauge
- Master pressure gauge
- Individual discharge gauges
- Pump shift engaged indicator light
- Water tank water level indicator
- Engine tachometer
- Engine oil pressure gauge with audible alarm
- Engine water temperature gauge with audible alarm
- Low voltage light and audible alarm
- Pump panel light switch
- Speed counter (Underwriters)
- Pump performance plate (Underwriters)
- Pump serial No. plate
- Master pump drain valve
- Individual drains
- Voltmeter
- Air inlet/outlet at lower driver side panel

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- Class One "TPG" pressure governor control.

PUMP TEST PORTS

The pump panel shall be equipped with Vacuum & Pressure test plugs to allow for test equipment to monitor pump pressure and vacuum levels. Chrome plugs and labels shall be provided for the test ports.

MASTER GAUGES

One (1) 4" diameter pressure gauge (labeled: "PRESSURE") and one (1) 4" diameter compound vacuum gauge (labeled: "INTAKE") shall be provided. The master gauges shall be "No Shok", silicone filled. The gauge faces shall be white with black numerals.

PRESSURE & COMPOUND GAUGE RANGES

All applicable pressure gauges shall have a range of 0 - 400 P.S.I., and the compound gauge shall have a range of -30" - 0 - 400 P.S.I.

ENGINE COOLER

An auxiliary cooler or heat exchanger shall be installed in the engine compartment between the engine and the chassis radiator. The cooler shall permit the use of water from the pump for cooling system. The cooling shall be done without mixing engine and pump water.

TANK LEVEL GAUGE

An Innovative Controls model #3030385, Ultra-Bright LED water level monitor shall be provided on the pump operator's panel. The level gauge shall contain fourteen (14) high intensity LED's on the display in a "V" pattern allowing the full, 3/4, 1/2, 1/4 and refill levels to be easily distinguished at a glance. It shall be maintenance free and field adjustable.

CAB TANK LEVEL GAUGE

An additional Innovative Controls model #3030372, Ultra-Bright LED water level monitor shall be provided in the cab. The level gauge shall contain five (5) high intensity LED's on the display in a vertical pattern allowing the full, 3/4, 1/2, 1/4 and refill levels to be easily distinguished at a glance. The display shall use a two-dimensional; two-element lens to refract the light from the LED's to provide full 180° visibility for the level indications.

The gauge shall use a pressure transducer installed near the bottom of the water tank to determine the correct volume in the tank.

FOAM TANK LEVEL GAUGE - FOAM TANK "A"

An Innovative Controls model #3030386-01, Ultra-Bright LED foam level monitor shall be provided on the

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pump operator's panel. The level gauge shall contain fourteen (14) high intensity LED's on the display in a "V" pattern allowing the full, 3/4, 1/2, 1/4 and refill levels to be easily distinguished at a glance. It shall be maintenance free and field adjustable.

The gauge shall use a pressure transducer installed near the bottom of the foam tank to determine the correct volume in the tank.

WATER TANK

The water tank shall have a capacity of 1000 gallons, constructed from Poly material.

FOAM TANK "A"

In addition to the water capacity of the tank, a 20 gallon integral foam storage area shall be built into the water tank. The foam tank shall have a latched fill tower, properly labeled as the foam fill point. A valved drain shall be provided.

TANK CONSTRUCTION

The Poly water tank shall be constructed from 1/2" thick polypropylene sheet stock. This material shall be a non corrosive stress relieved thermo-plastic, natural in color, and U.V. stabilized for maximum protection.

The water and foam tanks shall be of a specific configuration and shall also designed to be completely independent of the body and compartments. All joints and seams shall be nitrogen welded and tested for maximum strength and integrity. The top of the booster tank shall be fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removal. The transverse swash partitions shall be manufactured of 3/8" polypropylene (natural in color) and extend from approximately 4" off the floor to just under the cover. The longitudinal swash partitions shall be constructed of 3/8" polypropylene (natural in color) and extend from the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All swash partitions interlock with one another and are welded to each other as well as to the walls of the tank.

TANK LID

The tank cover shall be constructed of 1/2" thick polypropylene, natural in color, and U.V. stabilized, to incorporate a multi three-piece design, which allows for individual removal and inspection if necessary. The tank cover shall be recessed 3/8" from the top of the tank and shall be welded to both sides and longitudinal partitions for maximum integrity. Each one of the covers shall have hold downs consisting of 2" polypropylene dowels spaced a maximum of 30" apart. These dowels shall extend through the covers and become welded to the transverse partitions. This shall assist in keeping the cover rigid under fast filling conditions. A minimum of two lifting dowels shall be drilled and tapped 1/2" X 13" to accommodate the lifting eyes.

TANK FILL TOWER

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of 1/2" polypropylene and shall be a minimum dimension of 8" x 8" outer perimeter. The tower shall be located in the left

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front corner of the tank unless otherwise specified by the purchaser in Special Provisions. The tower shall have a 1/4" thick removable polypropylene screen and a polypropylene hinged type cover. The fill tower cover shall be marked as a water tank fill point.

OVERFLOW AND VENT PIPE

The fill tower shall be fitted with an integral 4" I.D. schedule 40 P.V.C. combination overflow/vent pipe running from the fill tower through the tank to a 4" coupling flush mounted into the bottom of the tank to allow water to overflow behind the chassis rear axle.

TANK SUMP

The tank sump shall be a minimum of 10" wide x 10" long x 3" deep. An anti-swirl plate shall be mounted inside the sump, approximately 1" above the bottom of the sump.

TANK SUMP CONNECTION

The front bulkhead of the water tank shall be fitted with one (1) tank sump.

A 3" drain plug shall be provided.

OUTLETS

There shall be two (2) standard tank outlets; one for tank-to-pump suction line which shall be a minimum of 4" coupling and one for a tank fill line which shall be a minimum of a 2" N.P.T. coupling. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank.

TANK MOUNTING

The tank shall rest on the body cross members spaced a maximum of 22" apart, and shall be insulated from these cross members with a minimum of 3/8" nylon webbing or 1/2" rubber, 2-1/2" wide. The tank shall sit cradle-mounted using four (4) corner angles of 6 x 6 x 4 x 0.250 welded directly to the body cross members. The angles shall keep the tank from shifting left to right or front to rear. The tank is designed on the free-floating suspension principle and shall not require the use of hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure. The body or hose bed cross braces shall act as water tank retainers.

DIRECT TANK FILL - DRIVER SIDE

One (1) 2-1/2" NST direct tank fill shall be provided at the rear of the body, on the driver side, as low as possible. The direct tank fill shall be gated with a 2-1/2" Akron ball valve with a swing handle. The fill shall be equipped with a 30 degree elbow terminating with a 2-1/2" NST female swivel connection. A quarter turn drain valve shall be supplied to bleed off excess pressure with a drain hose routed beneath the rear step area.

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APPARATUS BODY DESIGN CONSTRUCTION

The body side and compartment assemblies shall be designed and assembled to provide maximum strength and durability under all operating conditions.

Special attention shall be taken to minimize corrosion on all fabricated parts and structural members of the body. All bolt-on components shall be provided with a dissimilar metals isolation barrier to prevent electric corrosion. The body design shall also incorporate removable panels to access spring hangers, rear body mounts and fuel tank sending units.

The body assembly shall be an all-welded configuration. The body shall be completely isolated from the cab and pump module structure.

BODY AND COMPARTMENT FABRICATION - 3/16" ALUMINUM

All compartment panels and body side sheets shall be entirely 3/16" aluminum (5052-H32). Each side compartment assembly shall be both plug welded and stitch welded to ensure proper weld penetration on all panels while avoiding the possible warping caused by a full seam weld. The side compartments shall be welded on a fixture to ensure true body dimensions of all door openings. The side compartments and body side panels are then set into a body squaring fixture where the super structure is installed and the entire body is aligned to be completely symmetrical. The super structure is then welded to the compartment side panels and reinforcement plates are inserted which allows the compartment panels to become an integral component of the body support structure. A full seam weld shall not be used due to the applied heat which shall distort sheet metal and remove the protective coating from the perimeter of the welded area. All seams shall be caulked prior to finish paint to ensure proper compartment seal.

100" WIDE FIRE BODY

The fire body shall be 100" wide to provide the maximum amount of usable compartment space.

SUPER STRUCTURE - ALUMINUM

The body super structure shall be an all welded configuration utilizing a combination of 3" x 1-1/2" 6061-T6 thick walled structural tubing and 6061 structural channel.

This structure shall be designed to totally support the full length and width of the body and shall be welded to the body side compartments by use of reinforcement plates to incorporate the compartments into an integral part of the body weldment.

The super structure shall be bolted to the sides of the chassis frame at four (4) points.

STEPPING, STANDING, & WALKING SURFACES

All stepping, standing, and walking surfaces on the body shall meet NFPA #1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces shall be ALCOA No Slip type. Upon request by the Purchaser, the manufacturer shall supply proof of compliance with this requirement.

All vertical surfaces on the body, which incorporate aluminum tread plate material, will utilize the same material pattern to provide a consistent overall appearance. NO EXCEPTIONS!

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TAPERED REAR BODY DESIGN

The rear portion of the body shall be shorter in height (at the bottom of the body) than the front of the body. This shall be done to maximize angle of departure to at least 20 degrees. The rub rails at each side of the body shall taper up from the bottom of the body fender panel to the bottom of each side rear compartment to protect the bottom of each side rear compartment and to provide a clean appearance.

DRIVER'S SIDE COMPARTMENTATION

One (1) full height compartment shall be provided forward of the rear wheels. The internal dimensions of this compartment will be approximately 58" high x 53" wide. The door cutout dimensions will be approximately 64" high x 50" wide (including provision for the preconnect storage area.) The single roll-up clear door opening will be approximately 50" high x 48" wide. This forward compartment will primarily be used for the pump control panel, which will extend into the compartment approximately 15".

One (1) equipment compartment shall be provided above the rear wheels. The internal dimensions of this compartment will be approximately 37.5" high x 64" wide. The door cutout dimensions will be approximately 33.5" high x 58" wide. The single roll-up clear door opening will be approximately 29.5" high x 56" wide.

One (1) full height compartment shall be provided to the rear of the rear wheels. The internal dimensions of this compartment will be approximately 62" high x 36" wide. The door cutout dimensions will be approximately 58" high x 36" wide. The single roll-up clear door opening will be approximately 54" high x 34" wide.

The driver's side body compartments shall be 29" deep in the lower full depth section and 14" deep in the upper section.

OFFICER'S SIDE COMPARTMENTATION

One (1) full height compartment shall be provided forward of the rear wheels. The internal dimensions of this compartment will be approximately 58" high x 53" wide. The door cutout dimensions will be approximately 64" high x 50" wide (including provision for the preconnect storage area.) The single roll-up clear door opening will be approximately 50" high x 48" wide. This compartment will be 29" deep for the full height of the compartment (i.e. full depth / full height).

One (1) equipment compartment shall be provided above the rear wheels. The internal dimensions of this compartment will be approximately 37.5" high x 64" wide. The door cutout dimensions will be approximately 33.5" high x 58" wide. The single roll-up clear door opening will be approximately 29.5" high x 56" wide.

One (1) full height compartment shall be provided to the rear of the rear wheels. The internal dimensions of this compartment will be approximately 62" high x 36" wide. The door cutout dimensions will be approximately 58" high x 36" wide. The single roll-up clear door opening will be approximately 54" high x 34" wide.

ROLL-UP DOORS

Roll-up doors shall be provided on all compartments. The roll-up doors shall be constructed from aluminum extruded slats which shall have a flexible seal between each slat for proper sealing of the door.

A synthetic rubber seal shall be provided at each side, top and bottom edge of the door to prevent entry of dirt into the compartment.

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The door shall be equipped with a lift bar style latch mechanism which shall latch at the bottom of the door mounting extrusion.

The roll-up door assembly shall be furnished with a spring-loaded, counter balance assembly to assist in door actuation.

All running board and high side compartments shall be equipped with roll-up doors.

ROBINSON ROLL-UP DOORS

The roll-up doors shall be Robinson (ROM) brand roll-up doors, equipped with a brushed aluminum finish, with a PVC inner seal to prevent metal to metal contact and to repel moisture. The slats shall be double-wall extrusion 1.366" high by .315" thick with interlocking end shoes to prevent the slats from moving side-to-side and binding the door. All slats are to have interlocking joints to prevent penetration by sharp objects.

SWEEP-OUT COMPARTMENT FLOORS

Compartment floors shall be welded to the compartment walls and have a sweep out design for easy cleaning.

Compartments with hinged doors shall have the door opening flanges bend down to produce the sweep-out design.

Compartments with roll-up style doors shall have the external floor flange stepped down, 1/2" high x 2" deep, to produce a sealing surface for the roll-up doors below the compartment floor. The sweep out design shall also permit easy cleaning.

Compartments set on running boards, which could cause additional corrosion potential, are not acceptable.

COATED FASTENERS - (NO EXCEPTIONS)

All exterior fasteners shall be coated stainless steel screws. Screw threads shall be coated with reusable, self-locking, sealing material to provide vibration resistance. Screw heads shall be coated with a sealing element to prevent galvanic corrosion between dissimilar metals. Non-coated screws shall only be provided as part of vendor supplied component installations.

COMPARTMENT LOUVERS

Ventilation between compartments to atmosphere shall be provided and located to avoid water entry into compartments.

ACCESS PANELS

Removable access panels shall be provided in all lower compartments to access spring pins, fuel tank sender, electrical junction compartment and rear body mounts.

Protective panels shall be located in the rear compartments providing access to the lights and associated

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wiring. The covers shall also serve as protective covers to prevent inadvertent damage to lights or wiring from tools or equipment located in the compartment.

BODY PROTECTION PANELS

The front face of the side compartments, next to the driver and officer pump panels shall be overlaid with full height aluminum tread plate protection panels. The overlays shall cover the front face of the compartments only, they shall not wrap around to the door opening.

REAR ACCESS LADDERS

Two (2) folding access ladders will be provided at the rear of the unit for access to the intermediate step and the hosebed.

Each ladder will be constructed from aluminum and be capable of being stowed in treadplate boxes so that they do not interfere with either the length of the unit nor the angle-of-departure when in the stowed position. When deployed, the ladder will provide access to within 12" of the ground and will be angled at approximately 10 degrees to make it easier to safely climb up and down. When in the stowed position, the ladders will be balanced against accidental deployment, and will also have a manual lock to ensure they stay in place.

The left ladder will be modified to allow access to the rear discharge.

REAR BODY PANEL

The rear body panel shall be fabricated from a minimum of 3/16" polished aluminum tread plate and shall extend the full width between the beavertails. This panel shall be full height from the rear step to the hose bed floor. The panel shall be bolted on and removable, with no part of the rear panel attached to the booster tank.

REAR STEP

The rear step shall be fabricated from 3/16" polished aluminum tread plate, and shall be rigidly reinforced. The rear step shall extend 8" past the rear edge of the body, and shall be 100" wide, with square corners.

The rear edge of the step shall be designed to accommodate the rear clearance lights, recessed for protection in the step reinforcement channel. The step treadplate overlay shall be bolted to the step frame for ease of replacement.

INTERMEDIATE REAR STEP

A ten (10) inch deep, intermediate rear step, fabricated from 3/16" aluminum tread plate, shall be integrated into the body design immediately above the rear compartment. The hosebed will be notched around the step to allow a standing surface. The step shall be approximately 10" deep x 71" wide.

This step will provide a stable working platform for loading and off loading the hard suction hose and the ladders, as well as loading and offloading the hose.

The rear step compartment door shall be a roll-up door. The roll-up door shall be equipped with a brushed aluminum finish.

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GRAB RAILS

All hand rails shall be 1-1/4" outer diameter, knurled bright anodized aluminum extrusion, designed to meet NFPA 1901 requirements.

Molded gaskets shall be installed between the handrail stanchion castings and body surfaces to prevent electrolytic reaction between dissimilar metals and to protect paint.

GRAB RAIL LOCATIONS:

Two (2) vertical rails shall be mounted on the rear edge of the beavertails, one (1) each side.

SAFETY SIGN(S) AT REAR STEP AND CROSS WALKWAY(S)

Safety sign(s) shall be located on the vehicle at the rear step, and at any cross walkway(s), to warn personnel that riding in or on these areas while the vehicle is in motion is prohibited.

REAR WHEEL WELL LINERS

Fully removable, bolt-in, 1/8" aluminum fender liners shall be provided. The wheel well liners shall extend from the outer wheel well body panel, into the truck frame. Removable vertical splash shields, inward of the wheels, shall be provided to give access to the hydraulic components. The completely washable fender liners shall be designed to protect the front and rear compartments and main body supports from road salts, dirt accumulation and corrosion. Fender liners which are welded in place or are only partially removable shall not be considered.

REAR FENDERETTES

The rear fenders shall be equipped with easily replaceable, polished extruded aluminum fenderettes. The fenderettes shall be equipped with a rubber gasket molding between the body panel and the fenderette.

Fenderettes that are integrally welded to the body side panels shall not be acceptable.

AIR BOTTLE STORAGE COMPARTMENTS

Four (4) oversize storage compartments will be inserted into the side body fenders, two (2) per side. On each side, one (1) compartment will be forward of the rear wheels, and one (1) will be behind the rear wheels. Each compartment will be sized large enough to store three (3) SCBA cylinders or fire extinguishers (with a maximum depth of 26"). Each compartment will have a non-abrasive lined floor area for the three (3) devices. Each compartment will be enclosed by a door painted to match the primary body color with a single point latch and hinge. Each compartment will be tied into the compartment door ajar / "Do Not Move Apparatus" warning system.

MUD FLAPS

Heavy duty mud flaps shall be provided behind the rear wheels.

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REAR TOW EYES

Two (2) painted tow eyes shall be furnished on the rear of the vehicle, extending through the rear body panel. The tow eyes shall be made from plate steel and shall be bolted directly to the chassis frame rails with grade 8 bolts. The tow eyes shall be smooth and free from sharp edges, and have a minimum eyelet hole of 2-1/2". The tow eyes shall be painted.

HOSE BED

The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose.

The hosebed will be approximately 63.5" wide by 114" long, not including the fill towers. The hosebed will be approximately 24" deep.

FRONT STORAGE AREA

The area in front of the hosebed will be a storage area above the pump. The deck gun riser will protrude through this area. The area will have removable access panels through the floor to provide access to the pump area for maintenance. This area will be separated from the hosebed, ladder storage, and hard hose storage area by full height aluminum walls.

The hose bed shall be designed with approximately 100 cubic feet of hose storage. This design shall accommodate the following hose load:

- 1000*ft. of 5" Hose
- 300*ft. of 2.5" Hose
- * ft. of " Hose

HOSE BED FLOORING

Flooring to be constructed from extruded aluminum and be properly spaced for ventilation. The flooring shall be smooth and free from sharp edges to avoid hose damage. The hose bed floor shall be removable to provide access to inner body framework.

HOSE BED PARTITIONS

Two (2) fully adjustable 3/16", brushed finish, aluminum hose bed partitions shall be provided. Partitions shall be easily adjustable by means of Unistrut channels located at the front and rear of the hose bed. Partitions shall be removable for access to the booster tank.

VINYL HOSE BED COVER - 1/4 TURN FASTENERS

A hose bed cover shall be provided and installed. The cover shall be made from 22 ounce; heavy-duty vinyl coated polyester fabric (TXN 226). The cover shall be sewn with ultraviolet resistant thread and shall have 2" wide nylon webbing sewn around the perimeter to provide additional strength.

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The cover shall be secured to the top front body flange with quarter-turn fasteners. The cover shall be secured to the side body flanges with quarter-turn fasteners. A weighted flap shall be furnished on the rear of the cover with two (2) bungee cords.

The Hypalon material shall be red in color.

**** COMPARTMENT ACCESSORIES ****

HALF DEPTH ADJUSTABLE SHELVING

Compartment shelving shall be constructed of 3/16" brush finish aluminum with a 2" upward bend at front and rear, and side supports. Shelving shall be vertically adjustable with spring nuts in aluminum strut channel.

Half depth adjustable shelves shall be located as follows:

One (1) in the driver side rear compartment

One (1) in the officer side rear compartment

One (1) in the driver side over the wheel high side compartment

SLIDE OUT FLOOR MOUNT SHELVING

Slide out floor mount compartment shelving shall be constructed of 3/16" brush finish aluminum with a 2" upward bend at front and rear, and side supports attached to #250 rated slides. Slide out floor mount shelving shall have gas shocks to hold the tray in and out.

Slide out floor mount shelving shall be provided as follows:

One (1) in the driver side rear compartment

One (1) in the officer side rear compartment

VERTICAL DIVIDERS

Full height, fixed mounted, vertical compartment dividers shall be fabricated from 3/16" brushed aluminum material. The dividers shall extend the full depth of the specified compartment from the floor to the compartment ceiling.

Full height, vertical dividers shall be located as follows:

{One} full height fixed divider(s) shall be located as directed by the fire department

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Driver Side Middle compartment.

PAC DUAL TRAC

Aluminum Pac Dual Trac #7020 channel material for tool and equipment mounting shall be provided in {1} O.S. high side compartment(s), approximately 50" wide x 29" high. All installation hardware shall be stainless steel.

LADDER STORAGE

The ground ladders shall be stored vertically within the hosebed on the driver side of the apparatus. Vertical dividers will be provided so that the roof ladder is stored above the side compartments to the outside, and the extension ladder is stored in the deep section of the hosebed just inside the side compartments. The folding ladder will be stored between them with space and dividers for backboards above. Each ladder will have a treadplate door at the rear to keep it from sliding backwards.

LADDERS

The following Alco-Lite ground ladder compliment shall be provided:

One (1) Alco-Lite model PEL3-24; 24', aluminum, three (3) section extension ladder shall be provided.

One (1) Alco-Lite model PRL-14; 14', aluminum, straight roof ladder with folding hooks shall be provided.

One (1) Alco-Lite model FL-10; 10', folding, aluminum, attic ladder shall be provided.

SUCTION HOSE STORAGE

A storage area shall be provided in the body hose bed area to accommodate suction hose storage at the officer side of the hose bed and shall incorporate a fixed partition to isolate the suction hose from the remainder of the hose bed. A full length horizontal shelf will be provided so there is storage for two (2) sections of hard hose, and a rear treadplate door will be provided.

SUCTION HOSE

Two (2) 12' sections of six (6) inch Kochek (PVC) suction hose with lightweight hard coat couplings shall be furnished. Couplings shall include a long handle, female swivel on one end and a rocker lug male on the other end. All threads shall be six (6) inch N.S.T.

NOTE: All PVC suction hoses are strictly drafting hoses and must not be used on hydrants or in pressure applications, as serious personal injury or death may occur.

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EQUIPMENT CLARIFICATION

The NFPA-1901 required suction strainer shall "NOT" be provided by the apparatus manufacturer.

EQUIPMENT CLARIFICATION

The NFPA-1901 recommended double female hydrant adapter shall not be provided by the apparatus manufacturer.

ADDITIONAL ITEMS SUPPLIED WITH THE VEHICLE

- 1 - Pint of touch up paint for each color
- 1 -Bag of assorted stainless steel nuts and bolts

**** PAINT SECTION ****

PAINT, PREPARATION AND FINISH

The PPG Delta, Low V.O.C., polyurethane finishing system, or equal, shall be utilized. A "Clear Coat" paint finish shall be supplied to provide greater protection to the quality of the exterior paint finish.

All removable items, such as brackets, compartment doors, etc. shall be painted separately to insure finish paint behind mounted items. All compartment unwelded seams exposed to high moisture environments shall be sealed using permanent pliable caulking prior to finish paint.

BODY PRIMER & PREPARATION

All exposed welds shall be ground smooth for final finishing of areas to be painted. The compartments and doors are totally degreased and phosphatized. After final body work is completed, grinding (36 and 80 grit), and finish sanding shall be used in preparation for priming.

BODY FINISH PAINT

The body shall be finish sanded and prepared for final paint. Upon completion of final preparation, the body shall be painted utilizing the highest quality, state of the art, low V.O.C., polyurethane base paint. Finish paint shall be applied in multiple coats to ensure proper paint coverage with a high gloss finish.

The entire body shall be buffed and detailed.

BODY PAINT

The inside and underside areas of the complete body assembly shall be painted black, prior to the installation of the body on the chassis or torque box.

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COMPARTMENT PAINT

The interior of the compartments shall be finish painted job color with a scuff resistant webbing type paint of a contrasting color applied over the painted surfaces.

BODY PAINT

The body paint finish shall be PPG Delta System in a single color, to match customer furnished paint codes and requirements.

PUMP / PIPING PAINT

The pump shall be painted per the pump manufacturer's standard. The stainless steel plumbing will remain unpainted. The pump area interior will match the body underside finish as described elsewhere in these specifications.

CHASSIS CAB PAINT

The commercial cab exterior shall be finish painted in a single color by the chassis manufacturer with Purchaser's choice of color as available.

WHEEL PAINT

The chassis wheels, (except polished aluminum wheels) shall be painted job color with silver trim around the perimeter.

TOUCH-UP PAINT

One (1) pint of each exterior color paint for touch-up purposes shall be supplied when the apparatus is delivered to the end user.

FINALIZATION & DETAILING

Prior to delivery the vehicle, the interior and exterior be cleaned and detailed. The finalization process detailing shall include installation of NFPA required labels, checking fluid levels, sealing and caulking required areas of the cab and body, rust proofing, paint touch-up, etc.

RUST PROOFING

The entire unit shall be thoroughly rust proofed utilizing rustproof and sound deadening materials applied in manufacturer recommended application procedures. Rust proofing shall be applied during the assembly process and upon completion to insure proper coverage in all critical areas.

****** LETTERING AND STRIPING ******

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COMPUTER GENERATED LETTERING

The lettering and striping shall be custom designed utilizing state of the art computer software and computerized cutting machines. The manufacturer shall employ a full time artist / designer to generate all lettering, decals, and striping to meet the requirements of the Fire Department. The artwork for the lettering and striping shall be kept on record by the apparatus manufacturer to allow for ease in duplication for the Fire Department.

FRONT CAB DOOR LETTERING

Gold leaf, "Sign Gold", with drop shadow lettering shall be provided on the cab driver's and officer's doors per the fire department requirements. The design of the lettering on the cab doors shall be designed to fit in the 496 sq. inches available.

Lettering provided on the driver's and officer's cab doors shall be 3" high.

LETTERING FONT

The lettering shall be designed and cut with a basic block type font:

"BLOCK TYPE FONT"

****** NFPA REQUIRED SCOTCH-LITE STRIPING ******

SCOTCH-LITE STRIPE

A four (4) inch high "Scotch-Lite" stripe shall be provided. The stripe shall be applied on a minimum of 60 percent of each side of the unit, 60 percent on the rear of the unit and 40 percent on the front of the unit. The Scotch-Lite stripe layout shall be determined by the Fire Department.

The Scotch-Lite shall be white in color.

A four (4) inch simple "Z" effect shall be incorporated into the Scotch-Lite scheme on the body. Final layout of this configuration shall be determined by the Fire Department.

REAR CHEVRON STRIPING

At least 50% of the rear facing vertical surface shall be covered with alternating strips of reflective striping.

The striping shall be 6" Scotch-Lite.

The Scotch-Lite shall be Ruby Red #680-82 and Lemon Yellow #680-81 in color.

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***** WARRANTIES & REQUIRED INFORMATION *****

WARRANTY {TWO
YEAR} INTERNATIONAL 4000 SERIES

Revised 7/ 2010

DISCLAIMER

NO WARRANTIES ARE GIVEN BEYOND THOSE DESCRIBED HEREIN. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY SPECIFICALLY DISCLAIMS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OTHER REPRESENTATIONS TO THE USER/PURCHASER, AND ALL OTHER OBLIGATIONS OR LIABILITIES. THE COMPANY FURTHER EXCLUDES LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ON THE PART OF THE COMPANY OR SELLER.

No person is authorized to give any other warranties or to assume any liabilities on the Company's behalf unless made or assumed in writing by the Company; and no other person is authorized to give any warranties or to assume any liabilities on the seller's behalf unless made or assumed in writing by the seller.

Remedies under State or Provincial Law: Some States and Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the owner. This warranty gives the owner specific legal rights, and he may also have other legal rights which may vary by state or province.

BASIC VEHICLE

Navistar, Inc., at its option, will repair or replace any part of this vehicle which proves defective in material and/or workmanship in normal use and service, with new or renewed parts, for the first 24 months from new vehicle delivery date, regardless of distance traveled. Exceptions are listed below under What Is Not Covered. This warranty is automatically transferred to subsequent owners at no charge.

COMPONENT COVERAGE

The components described below are given additional warranty coverage of variable time periods and distance traveled limitations, as shown in the Warranty Coverage Schedule.

- Frame Side Rails.
- Cab/Cowl Structure (on-highway applications).
- The Cab/Cowl is warranted against perforation due to corrosion, except for perforation caused by industrial chemicals and/or corrosion caused by use in a corrosive industrial environment.
- Navistar Diesel Engines including: block, cylinder heads, fuel pump, high pressure pump, turbocharger, internally lubricated components, and water pump; electronic modules, relays, sensors and regulators required for electronic engine operation; glow plugs, glow plug relay and harness and associated connectors for 12 months/unlimited mileage. Excluding: attaching accessories (e.g., fan clutch, alternator, starter, etc.), thermostats, and externally mounted electrical and filtration systems.
- Spicer front & rear axles, clutch, prop shaft, and transmission; excluding brakes, wheel ends, axle shafts, controls & attachments.
- Spicer front & rear axles and prop shaft, when used with Allison transmission; excluding brakes, wheel ends, axle shafts, controls & attachments.

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NOTE: The customer has 180 days from DTU (delivery to end user) to purchase any extended warranty on the unit. See your local International dealer for details.

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BASIC VEHICLE COVERAGE

- Basic Vehicle Warranty (Durastar Only-Feature 40024) - 24 month, Unlimited Miles

COMPONENTS

- Frame Side Rails (1000 ONLY) - 60 month, Unlimited Miles
- Frame Side Rails (42/43/4400/73/7400 ONLY) - 84 month, Unlimited Miles
- Cab/Cowl Structure - 60 month, Unlimited Miles
- Cab/Cowl Perforation Corrosion - 60 month, Unlimited Miles
- Batteries - 12 month, Unlimited Miles
- Brightwork, Chassis Paint and Corrosion (other than Cab) - 6 month, Unlimited Miles
- 42/43/4400 only - Cab Paint - 12 month, Unlimited Miles

ENGINE

Fire Trucks, Ambulances, Emergency Rescue application only

- MaxxFace 7 Engine - 60 month, 100,000 Miles
- MaxxFace 7 Engine glow plugs, relay, harness/connector - 36 month, Unlimited Miles
- MaxxFace 9 Engine - 60 month, 100,000 Miles
- MaxxFace DT Engine - 60 month, 100,000 Miles

DRIVETRAIN

- Eaton/Fuller 6206/6306 Transmission - 24 month, Unlimited Miles
- Spicer axles, Propshaft, Eaton clutch, TTC Transmission - 24 month, Unlimited Miles
- Transfer Case - 24 month, Unlimited Miles
- Transfer Case (73/7400 4x4/4x6 Only) - 12 month, Unlimited Miles
- Meritor Axles - 36 months, unlimited miles
- Meritor Axles (1000 series) - 24 months, unlimited miles

NOTE: All trucks used in the waste/recycling application must have components that meet Navistar minimum recommendations for the application. If a truck is ordered for use in a waste application outside the parameters outlined in G-6008, Navistar reserves the right to void all written and implied chassis warranties.

Any failures resulting from improper Allied Equipment installation or Equipment compatibility with the Truck components will be the responsibility of the Equipment installer or manufacturer.

Any failures resulting from improper alteration to the original components will be the responsibility of the company or person performing the alterations.

WHAT IS NOT COVERED

AFTER THE FIRST 90 DAYS FROM DELIVERY TO USER (DTU):

- Correction of loose fasteners, squeaks, rattles and unusual noises.
- Towing

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- Adjustments (e.g., headlights, brake/clutch adjustments, steering system adjustments, coolant levels).

COMPONENTS / ITEMS:

- Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires & tubes, Allison Transmissions, radios, Lubricants, etc.)
- Bodies, equipment and accessories installed by other than authorized Navistar Truck employees at Navistar Truck manufacturing plants.
- Front and rear axle alignment.

REPAIRS:

- Maintenance-related items/repairs or those as a result of normal wear and tear, including tune-ups, brake/clutch lining, windshield wiper blades, tire balancing, lubrication and other similar procedures/parts required to keep vehicle in good working condition.
- To any part of the vehicle subjected to misuse, negligence, improper maintenance, improper operation, or which are the results of an accident.
- Fade, runs, mismatch or damage to paint, trim items, upholstery, chrome, polished surfaces, etc., resulting from environmental causes, improper polishes, cleaners or washing solutions, or chemical and industrial fallout.
- In which all owners and operators of this vehicle do not strictly adhere to power train, prop shaft and suspension sales guidelines (specifications).

OTHER:

- Vehicles sold and/or operated outside the United States and Canada.
- Vehicles/components which have had unauthorized alterations or modifications.
- Vehicles on which the odometer reading has been altered.
- Loss of time or use of the vehicle, loss of profits, inconvenience, or other consequential or incidental damages or expenses.
- Replacement of defective parts with parts other than those provided by Navistar, Inc.

NEW PRODUCT WARRANTY - COMMERCIAL CHASSIS

Kovatch Mobile Equipment Corporation ("KME"), hereby warrants to the original purchaser (first end users) that any new products manufactured by KME will be free from defects in material and workmanship under normal use, maintenance and service for a period of one (1) year from date of delivery, subject to the conditions and exceptions stated herein.

Under this warranty, KME'S obligation is limited to the repair or replacement at KME'S option, at its factory, by its representative, or by its authorized service facility, of any part found to be defective by KME. If KME deems it necessary, all parts for which warranty claim is made, will be returned to KME, transportation charges prepaid, for examination by KME who will be the sole judge as to whether such part was defective in material or workmanship under normal use, maintenance or service.

BODY STRUCTURE WARRANTY

The proposed body will be warranted against structural defects for a period of ten (10) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

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CORROSION WARRANTY

The proposed body will be warranted against rust-through or perforation, due to corrosion from within, for a period of ten (10) years. Perforation is defined as a condition in which an actual hole occurs in a sheet metal panel due to rust or corrosion from within. Surface rust or corrosion caused by chips or scratches in the paint is not covered by this warranty.

PAINT FINISH WARRANTY

The proposed paint finish will be warranted for a period of seven (7) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

WATER TANK (LIFETIME)

The proposed water tank will be warranted by the water tank manufacturer for the "Lifetime" of the unit. A copy of the manufacturer's warranty will be supplied to define additional details of the warranty provisions.

HALE FIRE PUMP LIMITED STANDARD WARRANTY

Hale Products, Incorporated ("Hale") hereby warrants to the original buyer that products manufactured by Hale will be free of defects in material and workmanship for a period of five (5) years from the date product is first placed into service or five and one-half (5 1/2) years from date of shipment by Hale, whichever period will be first to expire. Within this warranty period Hale will cover parts and labor for the first two (2) years and parts only for years three (3) through five (5).

5 YEAR WARRANTY – AKRON

The limited warranty set forth here against defective materials or workmanship for a period of five (5) years will be given by Akron Brass Co. with respect to Akron Brass Co. products purchased and used in the United States and Canada respectively.

NFPA REQUIRED LOOSE EQUIPMENT, PROVIDED BY FIRE DEPARTMENT

The following loose equipment as outlined in NFPA 1901, 2009 edition in accordance with the applicable requirements, will be provided by the fire department. All loose equipment will be installed on the apparatus before placed in emergency service, unless the fire department waives NFPA section 4.21.

Section 5.7 Equipment.

It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

5.7.1 Ground Ladders.

5.7.1.1 All fire department ground ladders carried on the apparatus shall meet the requirements of NFPA 1931, Standard for Manufacturer's Design of Fire Department Ground Ladders, except as permitted by 5.7.1.3 and 5.7.1.4.

5.7.1.2 At a minimum, the following fire department ground ladders shall be carried on the apparatus:

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- (1) One straight ladder equipped with roof hooks
- (2) One extension ladder
- (3) One folding ladder

5.7.1.3 Stepladders and other types of multipurpose ladders meeting ANSI A14.2, Ladders - Portable Metal-Safety Requirements, or ANSI A14.5, Ladders - Portable Reinforced Plastic Safety Requirements, with duty ratings of Type IA or IAA shall be permitted to be substituted for the folding ladder required in 5.7.1.2(3).

5.7.1.4 Stepladders and other types of multipurpose ladders shall be permitted to be carried in addition to the minimum fire department ground ladders specified in 5.7.1.2 provided they meet either ANSI A14.2 or ANSI A14.5 with duty ratings of Type 1A or 1AA.

Section 5.7.2 Suction Hose or Supply Hose.

It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

5.7.2.1 A minimum of 20 ft (6 m) of suction hose or 15 ft (4.5 m) of supply hose shall be carried.

5.7.2.1.1 Where suction hose is provided, a suction strainer shall be furnished.

5.7.2.1.2 Where suction hose is provided, the friction and entrance loss of the combination suction hose and strainer shall not exceed the losses listed in Table 16.2.4.1 (b) or Table 16.2.4.1(c).

5.7.2.1.3 Where supply hose is provided. It shall have couplings compatible with the local hydrant outlet connection on one end and the pump intake connection on the other end.

5.7.2.2 Suction hose and supply hose shall meet the requirements of NFPA 1961, Standard on Fire Hose.

Section 5.8 Minor Equipment.

It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

5.8.2 Fire Hose and Nozzles. The following fire hose and nozzles shall be carried on the apparatus:

- (1) 800 ft (240 m) of 2 1/2 in. (65 mm) or larger fire hose
- (2) 400 ft (120 m) of 1 1/2 in. (38 mm), 1 3/4 in. (45 mm), or 2 in. (52 mm) fire hose
- (3) One handline nozzle. 200 gpm (750 L/min) minimum
- (4) Two handline nozzles. 95 gpm (360 L/min) minimum
- (5) One playpipe with shutoff and 1 in. (25 mm), 1 1/8 in. (29 mm), and 1 1/4 in. (32 mm) tips

5.8.3 Miscellaneous Equipment. The following additional equipment shall be carried on the apparatus:

- (1) One 6 lb (2.7 kg) flathead axe mounted in a bracket fastened to the apparatus
- (2) One 6 lb (2.7 kg) pickhead axe mounted in a bracket fastened to the apparatus
- (3) One 6 ft (2 m) pike pole or plaster hook mounted in a bracket fastened to the apparatus
- (4) One 8 ft (2.4 m) or longer pike pole mounted in a bracket fastened to the apparatus
- (5) Two portable hand lights mounted in brackets fastened to the apparatus
- (6) One approved dry chemical portable fire extinguisher with a minimum 80-B:C rating mounted in a bracket fastened to the apparatus
- (7) One 2 1/2 gal (9.5 L) or larger water extinguisher mounted in a bracket fastened to the apparatus
- (8) One self-contained breathing apparatus (SCBA) complying with NFPA 1981, Standard on Open-Circuit Self Contained Breathing Apparatus (SCBA) for Emergency Services, for each assigned sealing position. But not fewer than four, mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer
- (9) One spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space
- (10) One first aid kit
- (11) Four combination spanner wrenches mounted in brackets fastened to the apparatus
- (12) Two hydrant wrenches mounted in brackets fastened to the apparatus

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

- (13) One double female 2 1/2 in. (65 mm) adapter with National Hose (NH) threads, mounted in a bracket fastened to the apparatus
- (14) One double male 2 1/2 in. (65 mm) adapter with NH threads, mounted in a bracket fastened to the apparatus
- (15) One rubber mallet, suitable for use on suction hose connections, mounted in a bracket fastened to the apparatus
- (16) Two salvage covers each a minimum size of 12 ft x 14 ft (3.7 m x 4.3 m)
- (17) Two or more wheel chocks. Mounted in readily accessible locations, that together will hold the apparatus. When loaded to its GVWR or GCWR, on a hard surface with a 20 percent grade with the transmission in neutral and the parking brake released
- (18) One traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, Standard for High-Visibility Public Safety Vests, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front
- (19) Five fluorescent orange traffic cones not less than 28 in. (711 mm) in height, each equipped with a 6 in. (152 mm) retroreflective white band no more than 4 in. (102 mm) from the top of the cone, and an additional 4 in. (102 mm) retroreflective white band 2 in. (51 mm) below the 6 in. (152 mm) band
- (20) Five illuminated warning devices such as highway flares, unless the live fluorescent orange traffic cones have illuminating capabilities
- (21) One automatic external defibrillator (AED)

- 5.8.3.1 If the supply hose carried does not use sexless couplings, an additional double female adapter and double male adapter, sized to fit the supply hose carried, shall be carried mounted in brackets fastened to the apparatus.
- 5.8.3.2 If none of the Pump intakes are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side shall be carried. Any intake connection larger than 3 in. (75 mm) shall include a pressure relief device that meets the requirements of 16.6.6.
- 5.8.3.3 If the pumper is equipped with an aerial device with a permanently mounted ladder, four ladder belts meeting the requirements of NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services shall be provided.
- 5.8.3.4 If the apparatus does not have a 2 1/2 in. intake with NH threads, an adapter from 2 1/2 in. NH female to a pump intake shall be carried, mounted in a bracket fastened to the apparatus if not already mounted directly to the intake.
- 5.8.3.5 If the supply hose carried has other than 2 1/2 in. NH threads, adapters shall be carried to allow feeding the supply hose from a 2 1/2 in. NH thread male discharge and to allow the hose to connect to a 2 1/2 in. NH female intake, mounted in brackets fastened to the apparatus if not already mounted directly to the discharge or intake.

14.1.8.4 Fire Helmet.

It is the responsibility of the purchaser to ensure that "Fire helmets shall not be worn by persons riding in enclosed driving and crew areas any time the apparatus is placed in service.

14.1.8.4.1 A location for helmet storage shall be provided.

14.1.8.4.2 If helmets are to be stored in the driving or crew compartment, the helmets shall be secured in compliance with 14.1.11.2.

14.1.10 SCBA Mounting.

It is the responsibility of the purchaser to ensure that any SCBA equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

14.1.10.1 Where SCBA units are mounted within a driving or crew compartment, a positive latching mechanical means of holding the SCBA device in its stowed position shall be provided such that the SCBA unit cannot be retained in the mount unless the positive latch is engaged.

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- 14.1.10.2 The bracket holding device and its mounting shall retain the SCBA unit when subjected to a 9 G force and shall be installed in accordance with the bracket manufacturer's requirements.
- 14.1.10.3 If the SCBA unit is mounted in a seatback, the release mechanism shall be accessible to the user while seated.

14.1.11 Equipment Mounting.

It is the responsibility of the purchaser to ensure that any equipment installed on the apparatus by them or their subcontractor meets the following requirements prior to placing it in service.

- 14.1.11.1 All equipment required to be used during an emergency response shall be securely fastened.
- 14.1.11.2 All equipment not required to be used during an emergency response, with the exception of SCBA units, shall not be mounted in a driving or crew area unless it is contained in a fully enclosed and latched compartment capable of containing the contents when a 9 G force is applied in the longitudinal axis of the vehicle or a 9G force is applied in any other direction, or the equipment is mounted in a bracket(s) that can contain the equipment when the equipment is subjected to those same forces.

Section 15.9.3 Reflective Striping.

It is the responsibility of the purchaser to ensure that Reflective Striping has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

- 15.9.3.1" A retroreflective stripe(s) shall be affixed to at least 50 percent of the cab and body length on each side, excluding the pump panel areas, and at least 25 percent of the width of the front of the apparatus.
- 15.9.3.1.1 The stripe or combination of stripes shall be a minimum of 4 in. (100 mm) in total width.
- 15.9.3.1.2 The 4 in. (100 mm) wide stripe or combination of stripes shall be permitted to be interrupted by objects (i.e., receptacles, cracks between slats in roll up doors) provided the full stripe is seen as conspicuous when approaching the apparatus.

15.10 Hose Storage.

It is the responsibility of the purchaser to ensure that any hose storage area includes a positive means to prevent unintentional deployment in order to achieve compliance with the standard prior to placing it in service.

- 15.10.7 Any hose storage area shall be equipped with a positive means to prevent unintentional deployment of the hose from the top, sides, front, and rear of the hose storage area while the apparatus is underway in normal operations.

EQUIPMENT SUPPLIED WITH APPARATUS

2 each ICOM F5021 51 VHF Mobile 136-174 MHz, 50W, 128 channel radio, 8 character display, mounted (1) in cab between driver & officer seats & (1) at pump panel (Individual antennas required)

1 each Bendix King #DMH 5992X 136-174 MHz, 400 channel dash mount, 50W 2-way radio, mounted in-cab between driver & officer seats.

2 each 1"X50' sections Green Kochek #KBH hose, 1"NPSH hole type couplings, installed on booster reels, (50' per reel)

1 each Akron #3431 Hi-Riser Deck Gun, (lift off only) and Direct mount, mounted.

1 each TFT #XXC-32 BlitzFire monitor package.

2 each StreamLight #44451 Fire Vulcan LED hand lights, mounted on rear of center console in cab.

SANTA FE COUNTY/EL DORADO F&R RIDGERUNNER

2 each StreamLight #44451 Fire Vulcan LED hand lights, mounted O.S. middle compartment.

2 each StreamLight #44451 Fire Vulcan LED hand lights, mounted D.S. middle compartment.

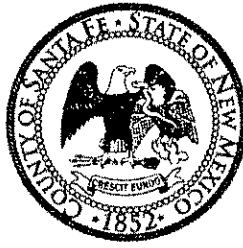
2 each Zico SCBA brackets mounted in D.S. middle compartment to rear of vertical divider.

1 each FDT #LFS6.0 6"NH Low Level Strainer, mounted

Daniel "Danny" Mayfield
Commissioner, District 1

Virgina Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3



Kathy Holian
Commissioner, District 4

Liz Stefanics
Commissioner, District 5

Katherine Miller
County Manager

MEMORANDUM

DATE: *February 7, 2012*

TO: *Board of County Commissioners*

FROM: *Adam Leigland, Public Works Department Director*

VIA: *Katherine Miller, County Manager*

ITEM AND ISSUE: *BCC Meeting February 28, 2012*

A RESOLUTION AUTHORIZING THE COUNTY MANAGER TO EXECUTE A LEASE AGREEMENT FOR OFFICE SPACE LOCATED AT 5 WEST GUTIERREZ STREET, SUITE 9, SANTA FE, NEW MEXICO THROUGH JUNE OF 2013. (PUBLIC WORKS/ADAM LEIGLAND)

BACKGROUND AND SUMMARY:

Santa Fe County entered into a Sublease Agreement on September 1, 2009, with the Pueblo of Pojoaque Enterprise Corporation for the use of 1,400 square feet of office space located at 5 West Gutierrez Street in Santa Fe, New Mexico, for a satellite office and polling site in the northern area of the County. The County subsequently extended the initial term by entering into Amendment #1 to the Sublease Agreement that extended the use of the office space through February of 2012.

The County would like to continue utilizing the space for the purpose of a satellite office and polling site up to June 30, 2013. Between now and June of 2013, through the County's Facility Master Planning process (in progress with an estimated completion date of July 2012), staff will develop a recommendation for a more permanent solution to space requirements in this service area.

ACTION REQUESTED:

The Public Works Department requests approval of a resolution authorizing the County Manager to execute all relevant documents to enter into a lease agreement for office space located at 5 West Gutierrez, Santa Fe, New Mexico, to serve as a satellite office and polling site in the northern area of the County, on the same terms as the current lease, through June 30, 2013 with an option in favor of the County to renew for an additional two years.

**THE BOARD OF COUNTY COMMISSIONERS OF
SANTA FE COUNTY**

RESOLUTION NO. 2012-

**A RESOLUTION AUTHORIZING THE COUNTY MANAGER TO EXECUTE A LEASE
AGREEMENT FOR OFFICE SPACE LOCATED AT 5 WEST GUTIERREZ STREET,
SUITE 9, SANTA FE, NEW MEXICO THROUGH JUNE OF 2013.**

WHEREAS, Santa Fe County entered into a lease agreement with Pueblo of Pojoaque Enterprise Corporation for the use of 1,400 square feet of office space located at 5 West Gutierrez Street, Santa Fe, NM, for a satellite office in the northern area of the County in September of 2009;

WHEREAS, Amendment 1 to the lease extended the use of the space through February 29, 2012; and

WHEREAS, the County desires to continue utilizing the space for the purpose of a satellite office and polling site in the northern area of the County through June 30, 2013 on the same terms as the current lease.

NOW, THEREFORE BE IT RESOLVED that the County Manager is authorized to execute all relevant documents to enter into a lease agreement for office space located at 5 West Gutierrez, Santa Fe, New Mexico, to serve as a satellite office and polling site in the northern area of the County, on the same terms as the current lease, through June 30, 2013 with an option in favor of the County to renew for an additional two years.

APPROVED and ADOPTED this 28th DAY OF FEBRUARY, 2012.

**THE BOARD OF COUNTY COMMISSIONERS OF
SANTA FE COUNTY**

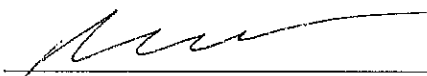
By: _____

Liz Stefanics, Chair

ATTEST:

Valerie Espinoza, Santa Fe County Clerk

APPROVED AS TO FORM:



Stephen C. Ross, Santa Fe County Attorney

**SANTA FE COUNTY
LEGAL DEPARTMENT
MEMORANDUM**

To: The Board of County Commissioners
Katherine Miller, County Manager

From: Stephen C. Ross, County Attorney *SR*

Date: February 21, 2012

Re: Mutual Release By and Between the City of Santa Fe and Santa Fe County
Concerning Implementation of the Buckman Direct Diversion Project

The mutual release concerns the final allocation of capital expenditures for the implementation of the Buckman Direct Diversion project, and also concerns resolution of the fiscal agent fee for implementation of the BDD project.

As the mutual release recites, the parties concluded the project with slightly differing beliefs about the implementation of certain project documents, including: (i) Article 8 of the PMFSA (which states that the "Project Manger, the City and the County shall be compensated for service rendered, or credited for services rendered prior to the date of this Agreement or of any Project Agreement"); (ii) Article 8(A) of the PMFSA (whether the fiscal agent fee applies prior to 2005 or 2007, whether the fiscal agent fee should be based on the total implementation costs of the project or just annual operating budgets, and whether a fiscal agent fee is appropriate for any year prior to FY 2011 when the first operating budget was approved); (iii) Article 8(A) of the PMFSA (which provides for payment of a fiscal agent fee to the City as project manager based on a percentage of the approved annual operating budget of the BDD Project); (iv) Article 8(B) of the PMFSA (whether Article 8(B) applies to personnel expenses of the City implementing the project as project manager or to expenses incurred by the City implementing the project prior to execution of the Joint Powers Agreement, and the extent to which uncommitted funds can be used to reimburse any party given the fact that a portion of unencumbered funds may derive from bond proceeds); (v) Article 8(B) of the PMFSA (which permits the parties to assign to the BDD Project through a supplement budget document certain expenditures of the parties made prior to execution of the PMFSA, including dedication of real and personal property); and (vi) the second paragraph of Article 16 of the JPA (which provides that additional State or federal assistance implementing the BDD should be applied to the total cost of implementing the project, before the contributions of the City and County are computed).

The attached document resolves all of these potential points of disagreement and the spreadsheet (attached to the Mutual Release) describes how the final accounting and fiscal agent fees are to be addressed.

This document has been reviewed by the Buckman Direct Diversion Board and City and County Finance and Legal staff.

MUTUAL RELEASE

This mutual release, effective as of the date of the last signature, is made by and between the City of Santa Fe ("the City") and Santa Fe County ("the County"), and is intended to effect the extinguishment of obligations of the parties as described in this Mutual Release, as otherwise provided by the *Project Management and Fiscal Services Agreement for the Buckman Direct Diversion Project* (the "PMFSA"), and the *Joint Powers Agreement between the City of Santa Fe and the County of Santa Fe Governing the Buckman Direct Diversion Project (2005)* ("the JPA").

RECITALS

A. Differences have arisen between the parties with respect to the implementation of Article 8 of the PMFSA, which states that the "Project Manger, the City and the County shall be compensated for service rendered, or credited for services rendered prior to the date of this Agreement or of any Project Agreement."

B. Differences have arisen between the parties with respect to the implementation of Article 8(A) of the PMFSA, in particular whether the fiscal agent fee applies prior to 2005 or 2007, whether the fiscal agent fee should be based on the total implementation costs of the Buckman Direct Diversion Project ("the BDD Project") or just annual operating budgets, and whether a fiscal agent fee is appropriate for any year prior to FY 2011 when the first operating budget was approved; Article 8(A) of the PMFSA provides for payment of a fiscal agent fee to the City as project manager based on a percentage of the approved annual operating budget of the BDD Project.

C. Differences have arisen between the parties with respect to the implementation of Article 8(B) of the PMFSA, in particular whether Article 8(B) applies to personnel expenses of the City implementing the project as project manager, whether Article 8(B) applies to expenses incurred by the City implementing the project prior to execution of the Joint Powers Agreement, and the extent to which uncommitted funds can be used to reimburse any party pursuant to Article 8(B) given the fact that a portion of unencumbered funds may derive from bond proceeds; Article 8(B) of the PMFSA permits the parties to assign to the BDD Project (through a supplement budget document) certain expenditures of the parties made prior to execution of the PMFSA, including dedication of real and personal property.

D. Differences have arisen between the parties with respect to the implementation of the second paragraph of Article 16 of the JPA; Article 16 provides that additional State or federal assistance implementing the BDD will be applied to the

total cost of implementing the project, before the contributions of the City and County are computed.

E. The parties recognize the importance of the project and the need to move quickly through these issues, and have therefore agreed to the matters set forth in this Mutual Release as a settlement of disputed matters in full satisfaction of the above-described issues, to execute this mutual release in settlement of such differences, and thereby waive any remaining claims on these subjects, and to implement Article 8 of the PMFSA and Article 16 of the JPA as set forth in this Mutual Release.

F. At the time of execution of this Mutual Release, the approved capital budget of the BDD was \$210,904,368, which included an estimated capital fund carveout (contingency) of \$2,941,466.

AGREEMENT

1. In consideration of: 1) the mutual relinquishment of their respective legal rights with reference to Article 8 of the PFMSA; 3) the mutual relinquishment of their respective legal rights with respect to Article 16 of the JPA; 4) the covenants and agreements set out in succeeding paragraphs of this Mutual Release; 5) the execution of this mutual release; and 6) payments by the parties as described in this Mutual Release, each party releases the other from all liability for claims, suits, and demands (including any demand for binding arbitration under the PMFSA or JPA) arising out of the above-described Agreements.

2. As set forth on the attached spreadsheet (Exhibit A), all grants and loan/grants received by the City from the State and federal governments shall be credited to each of the parties equally as described in Article 16 of the JPA, except for the loan/grant received from the New Mexico Finance Authority in the amount of \$140,000 for a solar energy project, which will be credited solely to the City. The County shall pay its share (1/2) of the principal of the loan for each loan/grant received, and shall pre-pay any such amounts that are unpaid upon execution of this Mutual Release. It is agreed that the County has previously separately arranged (through a loan repayment schedule) to pay its share of the loan component of NMFA WTB 68 (11-2-07), and NMFA WTB 134 (3-27-2009), but has not paid or pre-paid NMFA WTB 170 (5-7-10), in the amount of \$400,000 and NMFA WTB 202 (5-6-11), in the amount of \$400,000. However, since the County has overpaid its share of the costs of implementing the BDD Project in general (see Exhibit A), the County's \$800,000 obligation shall merely be debited to the County's overall credit as reflected on Exhibit A.

3. The City shall be entitled to a fee in the amount of \$2,100,000 for its fiscal services as project manager to date implementing the BDD Project and operating the BDD Project since its acceptance during fiscal year 2011 from the design-build contractor. The fee described in the previous sentence shall apply to the implementation of the capital improvement (the BDD) in total and from inception of the project, as well as fiscal services provided in fiscal year 2011 after operation of the facility commenced, but shall not apply to any subsequent year, which shall instead be addressed through the budget process described in Article 8(A) and 8(C) of the PMFSA.

4. The net effect of the foregoing is that the County of Santa Fe shall have a credit in the project in the amount of \$508,122, and the City shall have a credit in the project in the total sum of \$42,726. *See* Exhibit A.

5. The parties agree that the capital budget carveout is still unresolved but that the net effect of the previous paragraphs is that \$550,848 (\$508,122 from the County of Santa Fe and \$42,726 from the City of Santa Fe) shall be credited to the carveout budget and the obligations of each party as those expenses are addressed. Thus, once a carveout expenditure has been approved by the BDD Board and addressed, the County shall have a credit of \$508,122 against such expenditure, and the City shall have a credit of \$42,726 against such expenditure. The parties agree that the Buckman Direct Diversion staff shall justify all expenses in the proposed carveout budget to the parties and that additional funds may be needed to effect a final project close out.

6. The parties agree that the settlement herein is reached on the basis that accumulated capital expenditures for the Buckman Direct Diversion Project prior to execution of the PMFSA exceeds the present uncommitted value of the BDD contingency fund, and that this settlement is predicated upon the settlement of a claim for unreimbursed capital expenditures and donation of real or personal property of the City or County pursuant to Article 8 of the PMFSA (as well as other matters), and that any funds paid pursuant to this Mutual Release for the fiscal agent fee is not being reimbursed from bond proceeds. Specifically, the parties agree that the funds paid pursuant to this Mutual Release shall either (a) not be allocable to proceeds of tax-exempt bonds, or (b) if allocable to proceeds of tax-exempt bonds, satisfy the following requirements: (i) the payment shall reimburse capital expenditures incurred no more than 60 days prior to either (aa) the issuance of the tax-exempt bonds from which the proceeds are derived, or (bb) an official statement by the issuer of the bonds of its intent to reimburse itself for capital expenditures from the proceeds of the bonds; and (cc) in either case, shall reimburse expenditures incurred no more than three years prior to the date on which the issuer of the bonds made a written reimbursement allocation as provided in Treasury Regulations 26 C.F.R. Section 1.150-2(c), (d), (e) and (f); or (ii) the payment shall reimburse "preliminary expenditures" within the meaning of Treasury

Regulations 26 C.F.R. Section 1.150-2(f), e.g. costs of architectural services, engineering, surveying, soil-testing and similar costs incurred before commencement of construction, which costs shall not exceed 20 percent (20%) of the issue price of the bonds from which the proceeds are derived.

7. The parties agree that proceeds from the County Capital Outlay Gross Receipts Tax, County Ordinance No. 2002-5, as amended, may be used to pay the City of Santa Fe for the City's expenditures as fiscal agent and project manager and that these expenditures were related to the "acquisition, construction or improvement of water, wastewater or solid waste systems or facilities and related facilities, including water or sewer lines and storm sewers and other drainage improvements," consistent with NMSA 1978, § 7-20E-21(C)(2).

8. Each party agrees that this Mutual Release releases the other from all liability for claims, suits, and demands (including any demand for binding arbitration under the PMFSA of JPA) arising out of the PMFSA, Article 8 and Article 16 of the JPA. The remainder of each Agreement referred to herein shall continue in full force and effect.

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Signatures:

For the County:

Chair, Board of County Commissioners

Date

Approved as to Form:

Stephen C. Ross, Santa Fe County Attorney

Date

Attest:

Valerie Espinoza, Santa Fe County Clerk

Date

For the City:

David Coss, Mayor
City of Santa Fe

Date

Attest:

Yolanda Y. Vigil, City Clerk

Date

Approved as to Form:

Geno Zamora, City Attorney

Date

Dr. Melville Morgan, Finance Director

Date

BDD PAYMENTS, CREDITS AND ADJUSTMENTS
2/1/2012

TOTAL PROJECT BUDGET \$ 224,199,246
Las Campanas* \$ (13,294,878)

TOTAL TO BE SPLIT BY CITY AND COUNTY PARTNERS \$ 210,904,368
(Includes final billing amount as confirmed by the City of Santa Fe)

	<u>Santa Fe County</u>	<u>City of Santa Fe</u>
PROJECT COSTS	\$ 105,452,184	\$ 105,452,184

Shared Loans

NMFA WTB 68 Official Date : 11-2-2007	\$ 100,000	\$ 100,000
NMFA WTB 134 Official Date: 3-27-2009	\$ 400,000	\$ 400,000
NMFA WTB 202 Official Date: 5-6-2011	\$ 400,000	\$ 400,000
NMFA WTB 170 Loan Official Date: 5-7-2010	\$ 400,000	\$ 400,000
Subtotal	\$ 1,300,000	\$ 1,300,000

Non-Shared Loans

NMFA Solar Energy	\$ -	\$ 141,400
Subtotal	\$ -	\$ 141,400

Shared Grants

NMFA 3 Official Date : 12-10-2004	\$ 1,000,000	\$ 1,000,000
NMFA WTB 68 Official Date: 11-2-2007	\$ 900,000	\$ 900,000
NMFA WTB 134 Official Date: 3-27-2009	\$ 1,600,000	\$ 1,600,000
NMFA WTB 202 Official Date: 5-6-2011	\$ 1,600,000	\$ 1,600,000
NMED	\$ 187,500	\$ 187,500
Department of Energy	\$ 141,624	\$ 141,624
NMFA WTB 170 Grant Official Date: 5-7-2010	\$ 1,600,000	\$ 1,600,000
Subtotal	\$ 7,029,124	\$ 7,029,124

Payments Made	\$ 99,481,182	\$ 95,174,387
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Total Loans, Grants & Payments	\$ 107,810,306	\$ 103,644,910
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OVER/UNDER PAYMENT	\$ (2,358,122)	\$ 1,807,274
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ADJUSTMENTS AND OTHER CREDITS

Fiscal Agent Fee	\$ 1,050,000	\$ (1,050,000)
Loan Pre-Payment	\$ 800,000	\$ (800,000)
	\$ 1,850,000	\$ (1,850,000)

OVER/UNDER PAYMENT TO BE APPLIED TO CARVEOUT \$ (508,122) \$ (42,726)

Total
\$ 210,904,368

\$ 200,000
\$ 800,000
\$ 800,000
\$ 800,000
\$ 2,600,000 \$ 2,600,000

\$ 141,400
\$ 141,400 \$ 141,400

\$ 2,000,000
\$ 1,800,000
\$ 3,200,000
\$ 3,200,000
\$ 375,000
\$ 283,247
\$ 3,200,000
\$ 14,058,247 \$ 14,058,247

\$ 194,655,569
\$ 211,455,216 \$ 211,455,216

\$ (550,848) \$ (550,848)

\$ -
\$ -
\$ -

\$ (550,848)