

**BEAVERCREEK TOWNSHIP
AGENDA PACKET
REGULAR TRUSTEES' MEETING
MONDAY NOVEMBER 21, 2016
1:00 P.M.**



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- Biweekly Report

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Regular Trustees' Meeting

Monday, November 21, 2016, at 1:00 p.m.

Community Room, Lower Level of Fire Station #61, 2195 Dayton-Xenia Road, Beavercreek, OH 45434

Pledge of Allegiance - Moment of Silence

- Approve Agenda for the November 21, 2016, Meeting
- Approve the November 23, 2016, Payroll in the amount of
- Approval of Bills in the amount of

Citizens Desiring to Speak (Each Speaker is Limited to 3 Minutes)

Old Business:

- None

New Business:

- Employee Recognition Program

Administrator:

- Ohio Bureau of Workers' Compensation
- Employee Health Care Contribution
- Greene County Sheriff's Office:
 - Biweekly Report
- Request to Schedule Special Meeting:
 - Budget Hearings

Human Resources:

- Biweekly Report

Zoning:

- Biweekly Report

Information Technology:

- Biweekly Report

Road:

- Purchase request for Cab & Chassis and Equipment
- Biweekly Report

Fire:

- Request to Surplus Property that is Not Needed, Obsolete or Unfit for Use
- Request to Purchase Fire Helmet Shields
- Request to Purchase a replacement Medic Unit
- Biweekly Activity Report

Legal Advisor:

Trustees:

Fiscal Officer:

Executive Session:

- Ohio Revised Code Section 121.22(G)(1) To consider the employment, dismissal, discipline and compensation of a public employee.
- Ohio Revised Code section 121.22(G)(3) Conferences with an attorney for the public body concerning disputes involving the public body that are the subject of pending or imminent court action.

Adjourn



RECEIVED OCT 24 2016

October 18, 2016

BEAVERCREEK TOWNSHIP
851 ORCHARD LN
BEAVERCRK TWP, OH 45434-7228

Policy Number: 32920204-0

RE: 2017 Policy Renewal, Notice of Estimated Annual Premium and Workers' Compensation Certificate, 2016 Policy True-Up Reminder

Dear Employer:

This letter includes your Notice of Estimated Annual Premium and Premium Installment Schedule for the renewal of your workers' compensation policy for the year that begins Jan. 1, 2017. This document is not a bill, but an estimate to aid you in budgeting. We have enclosed your new annual certificate.

New this year, you have the option to receive a 2-percent discount* by paying the full 12-month estimated annual premium on or before Jan. 3, 2017. Another new payment option for this year is to defer your initial premium payment, for a fee, until May 1. We will apply a deferment fee of 0.94 percent to the first four monthly installments. You can make either selection by logging on to www.bwc.ohio.gov and clicking on premium installment schedule, or by calling us at 1-800-644-6292.

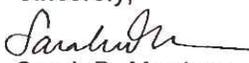
In early December, we will mail the first installment invoice for the new policy year. Your payment will be due by Jan. 3, 2017. You can find your premium installment schedule on page 3. If you would like to request a change in your installment schedule, you may do so until Nov. 21, 2016.

If you elect to pay installments, please understand that failure to pay an installment timely will result in penalties and interest. You will also be responsible, dollar for dollar, for the costs of claims that occur during any period of non-coverage. We have estimated your premium (see the Policy section on page 3) using your historical payroll from the most recently reported policy year. If you believe the payroll estimate is incorrect, or you have a change in operations that will affect your payroll, please call us at 1-800-644-6292, or log onto www.bwc.ohio.gov.

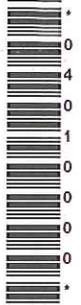
As you know, there is also a payroll true-up requirement at the end of each policy year. This letter is to remind you that in January 2017 you will need to complete the payroll true-up process for the policy year that ends Dec. 31, 2016. The true-up requires you to report your payroll for the period of Jan. 1, 2016, to Dec. 31, 2016. This will be reconciled with the estimated payroll we used to calculate your premium. You must complete this true-up online at www.bwc.ohio.gov. Please call 1-800-644-6292 if you need to make other arrangements.

Failure to file your true-up will result in disqualification from BWC programs. If you don't have an e-account on www.bwc.ohio.gov, we strongly encourage you to create one prior to the true-up deadline to ensure you can log in to report your true-up. You will receive additional information and instructions in late December concerning the true-up requirement.

If you have any questions, please visit www.bwc.ohio.gov, and click on the prospective billing link on the Employers page, or call us at 1-800-644-6292.

Sincerely,

Sarah D. Morrison
Administrator/CEO

* This discount cannot reduce the total amount due below the required minimum premium of \$120.00.



Policy Information

Policy Number: 32920204-0

BEAVERCREEK TOWNSHIP
851 ORCHARD LN
BEAVERCRK TWP, OH 45434-7228

Policy period is from 12:01 a.m. January 1, 2017 to 12:00 a.m. January 01, 2018.

Selected installments: 12

Total estimated annual premium: **\$101,449.58**

Installment Schedule

Due Date	Amount
January 03, 2017	\$8,450.75
January 31, 2017	\$8,450.75
March 03, 2017	\$8,450.75
March 31, 2017	\$8,450.75
May 01, 2017	\$8,450.75
May 31, 2017	\$8,450.75
July 03, 2017	\$8,450.75
July 31, 2017	\$8,450.75
August 31, 2017	\$8,450.75
October 02, 2017	\$8,450.75
October 31, 2017	\$8,450.75
December 01, 2017	\$8,491.33

Breakdown of estimated premium calculation

Class Code	Class Type	Experience Modifier (EM)	(A) Blended Rate per \$100 payroll	(B) Estimated Payroll	(A x B)/100 Estimated Premium
9433	REG	0.60	1.7720	\$5,637,995.00	\$99,905.27
9439	REG	0.60	9.1923	\$16,800.00	\$1,544.31
Total				\$5,654,795.00	\$101,449.58

*For additional rating information, please visit www.bwc.ohio.gov and log on with your e-account.

Beavercreek Township
Transfer of Funds
11/17/16

To Transfer Funds from Contingencies to Workers' Compensation Accounts
 To Pay, in 2016, the 2017 Ohio-BWC Estimated Annual Premiums
\$101,499.58

Cost Center	Account Code	Proration By Fund in %	Proration By Fund in \$	11/17/16 Unencumbered Balances	Amount Needed from Contingencies	Post Transfer Account Balances
<u>General Fund</u>						
1	Workers' Comp	1000-110-230-0000	9.90%	10,048.46	6,752.06	10,048.46
2	Contingencies	1000-930-930-0000			454,354.55	451,058.15
<u>Road & Bridge</u>						
3	Workers' Comp	2031-330-230-4200	7.90%	8,018.47	12,835.25	12,835.25
4	Contingencies	2031-930-930-0000			448,423.65	448,423.65
<u>Fire</u>						
5	Workers' Comp	2192-220-230-5112	82.20%	83,432.65	30,559.47	83,432.65
6	Contingencies	2192-930-930-5999			3,704,958.96	3,652,085.78
<u>Totals</u>						
7	Workers' Comp		100.00%	101,499.58	50,146.78	106,316.36
8	Contingencies				4,607,737.16	4,551,567.58



BEAVERCREEK TOWNSHIP

851 Orchard Lane
Beavercreek, Ohio 45434-7220
(937) 429-4472
(937) 429-5678 Fax

Trustees - Carol Graff
Tom Kretz
Jeff Roberts

Fiscal Officer - Christy L. Ahrens

Administrator - J. Alexander Zaharieff

BEAVERCREEK TOWNSHIP TRUSTEES GREENE COUNTY, OHIO

RESOLUTION NUMBER: _____
ADOPTION DATE: NOVEMBER 21, 2016

WHEREAS, the Board of Trustees of Beavercreek Township, Greene County, State of Ohio, moved for approval of the following:

WHEREAS, to re-appropriate from Account 1000-930-930-0000 Contingencies (General Fund), to Account 1000-110-230-0000 Workers' Compensation, in the amount of \$3,300.00 and,

WHEREAS, to re-appropriate from Account 2192-930-930-5999 Contingencies (Fire Fund), to Account 2192-220-230-5112 Workers' Compensation, in the amount of \$52,900.00 and,

NOW THEREFORE BE IT RESOLVED THAT, the Board of Trustees of Beavercreek Township, Greene County, Ohio favorably passed the above Resolution.

THE VOTE WAS AS FOLLOWS:

Carol Graff _____
Tom Kretz _____
Jeff Roberts _____

APPROVED BY:
BEAVERCREEK TOWNSHIP TRUSTEES

Carol Graff, Chair

Tom Kretz, Vice-Chair

Jeff Roberts, Trustee

ATTESTED BY:

Christy L. Ahrens
Fiscal Officer

Motion

"I make a motion to approve the employee health care contribution, not covered by a Labor Management Agreement, from seventeen (17) percent to twenty (20) percent for 2017."

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
10/26/2016 21:11:48	2016-00029513	911 Hang Up
	Type Totals: 1	
10/19/2016 07:24:08	2016-00028841	Alarm - Business/Bank
10/22/2016 06:42:07	2016-00029114	Alarm - Business/Bank
10/29/2016 21:19:19	2016-00029746	Alarm - Business/Bank
10/31/2016 17:21:11	2016-00029910	Alarm - Business/Bank
11/02/2016 06:06:24	2016-00030059	Alarm - Business/Bank
11/04/2016 10:31:35	2016-00030318	Alarm - Business/Bank
	Type Totals: 6	
10/29/2016 18:19:41	2016-00029739	Alarm - Holdup/Panic
11/02/2016 22:58:18	2016-00030150	Alarm - Holdup/Panic
	Type Totals: 2	
10/20/2016 05:09:10	2016-00028943	Alarm - Residential
10/21/2016 01:13:35	2016-00029008	Alarm - Residential
10/22/2016 19:20:33	2016-00029173	Alarm - Residential
10/28/2016 19:02:10	2016-00029644	Alarm - Residential
11/02/2016 15:30:33	2016-00030121	Alarm - Residential
11/02/2016 16:52:41	2016-00030127	Alarm - Residential
11/03/2016 10:48:07	2016-00030209	Alarm - Residential
11/03/2016 13:34:36	2016-00030240	Alarm - Residential
11/04/2016 08:24:34	2016-00030298	Alarm - Residential
11/05/2016 12:23:12	2016-00030431	Alarm - Residential
11/06/2016 12:47:04	2016-00030503	Alarm - Residential
	Type Totals: 11	
10/25/2016 09:10:59	2016-00029351	Animal Complaint
10/31/2016 20:38:12	2016-00029923	Animal Complaint
	Type Totals: 2	
10/23/2016 05:14:43	2016-00029211	Assault
	Type Totals: 1	
10/19/2016 12:07:44	2016-00028867	Assist
10/30/2016 18:54:27	2016-00029815	Assist
10/31/2016 03:13:55	2016-00029835	Assist
	Type Totals: 3	

11/07/2016

Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
10/19/2016 09:24:34	2016-00028847	Business Check
10/19/2016 11:52:09	2016-00028863	Business Check
10/20/2016 08:51:01	2016-00028959	Business Check
10/22/2016 10:27:58	2016-00029118	Business Check
10/22/2016 12:37:11	2016-00029135	Business Check
10/22/2016 13:18:16	2016-00029139	Business Check
10/22/2016 13:39:15	2016-00029141	Business Check
10/22/2016 14:44:25	2016-00029150	Business Check
10/22/2016 20:09:55	2016-00029179	Business Check
10/23/2016 13:49:25	2016-00029231	Business Check
10/23/2016 14:00:41	2016-00029233	Business Check
10/23/2016 14:24:45	2016-00029236	Business Check
10/23/2016 19:32:38	2016-00029254	Business Check
10/24/2016 09:02:52	2016-00029277	Business Check
10/25/2016 01:53:01	2016-00029323	Business Check
10/25/2016 01:58:19	2016-00029324	Business Check
10/25/2016 02:08:18	2016-00029325	Business Check
10/25/2016 02:17:06	2016-00029326	Business Check
10/25/2016 02:20:06	2016-00029327	Business Check
10/25/2016 21:27:08	2016-00029414	Business Check
10/26/2016 00:55:18	2016-00029427	Business Check
10/26/2016 01:50:42	2016-00029428	Business Check
10/26/2016 01:52:11	2016-00029430	Business Check
10/26/2016 01:54:10	2016-00029431	Business Check
10/26/2016 02:00:09	2016-00029434	Business Check
10/26/2016 02:02:53	2016-00029436	Business Check
10/27/2016 18:54:10	2016-00029571	Business Check
10/29/2016 00:53:39	2016-00029662	Business Check
10/29/2016 00:55:46	2016-00029663	Business Check
10/29/2016 00:59:13	2016-00029664	Business Check
10/29/2016 01:03:21	2016-00029665	Business Check
10/29/2016 01:11:49	2016-00029667	Business Check
10/30/2016 09:07:26	2016-00029778	Business Check

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/02/2016 13:51:23	2016-00030103	Business Check
11/02/2016 13:53:35	2016-00030104	Business Check
11/03/2016 01:51:17	2016-00030157	Business Check
11/03/2016 04:40:03	2016-00030178	Business Check
11/03/2016 04:41:12	2016-00030179	Business Check
11/03/2016 04:44:54	2016-00030180	Business Check
11/03/2016 04:46:31	2016-00030181	Business Check
11/03/2016 04:50:34	2016-00030182	Business Check
11/03/2016 07:05:07	2016-00030186	Business Check
11/05/2016 19:47:54	2016-00030453	Business Check
	Type Totals: 43	
10/19/2016 09:52:35	2016-00028849	Civil Other
10/21/2016 09:15:46	2016-00029029	Civil Other
	Type Totals: 2	
10/21/2016 18:22:02	2016-00029080	Crash - Assist Only
10/26/2016 17:08:02	2016-00029502	Crash - Assist Only
	Type Totals: 2	
10/21/2016 09:36:32	2016-00029033	Crash - Property Damage
10/29/2016 11:24:06	2016-00029714	Crash - Property Damage
10/31/2016 19:34:34	2016-00029914	Crash - Property Damage
11/05/2016 04:11:18	2016-00030400	Crash - Property Damage
	Type Totals: 4	
10/30/2016 15:55:44	2016-00029807	Criminal Damaging
	Type Totals: 1	
10/19/2016 13:52:04	2016-00028878	Detail - School
10/20/2016 14:17:02	2016-00028977	Detail - School
10/25/2016 07:30:14	2016-00029341	Detail - School
10/25/2016 13:49:28	2016-00029379	Detail - School
10/28/2016 07:29:05	2016-00029600	Detail - School
11/02/2016 14:02:22	2016-00030105	Detail - School
	Type Totals: 6	
10/21/2016 20:24:12	2016-00029087	Disabled Vehicle
10/22/2016 14:09:00	2016-00029146	Disabled Vehicle

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
10/28/2016 02:45:21	2016-00029591	Disabled Vehicle
10/29/2016 01:47:10	2016-00029671	Disabled Vehicle
11/01/2016 07:54:38	2016-00029962	Disabled Vehicle
11/03/2016 02:55:23	2016-00030173	Disabled Vehicle
11/03/2016 20:55:26	2016-00030270	Disabled Vehicle
11/04/2016 19:51:30	2016-00030357	Disabled Vehicle
11/04/2016 23:20:08	2016-00030366	Disabled Vehicle
	Type Totals: 9	
10/22/2016 00:15:09	2016-00029098	Extra Patrol
10/27/2016 01:41:41	2016-00029525	Extra Patrol
10/27/2016 23:43:18	2016-00029581	Extra Patrol
10/28/2016 08:16:03	2016-00029602	Extra Patrol
10/29/2016 13:11:28	2016-00029719	Extra Patrol
10/30/2016 14:46:52	2016-00029803	Extra Patrol
11/01/2016 00:37:19	2016-00029937	Extra Patrol
11/02/2016 11:06:28	2016-00030089	Extra Patrol
	Type Totals: 8	
10/26/2016 08:32:28	2016-00029448	Follow Up
10/30/2016 10:00:50	2016-00029788	Follow Up
11/03/2016 05:48:34	2016-00030185	Follow Up
11/04/2016 14:03:06	2016-00030335	Follow Up
	Type Totals: 4	
10/30/2016 09:13:05	2016-00029782	Found Property
11/06/2016 08:31:59	2016-00030482	Found Property
	Type Totals: 2	
10/24/2016 14:44:22	2016-00029305	Fraud/Forgery
	Type Totals: 1	
10/28/2016 11:11:29	2016-00029616	Harrassment
	Type Totals: 1	
10/22/2016 14:22:31	2016-00029148	House Check
10/26/2016 09:55:53	2016-00029457	House Check
10/29/2016 10:48:53	2016-00029711	House Check
10/30/2016 08:58:23	2016-00029775	House Check

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/06/2016 02:32:07	2016-00030472	House Check
11/06/2016 09:57:01	2016-00030493	House Check
	Type Totals: 6	
10/30/2016 01:31:07	2016-00029764	Juvenile Complaint
	Type Totals: 1	
11/05/2016 00:18:38	2016-00030369	Noise Complaint
	Type Totals: 1	
11/03/2016 20:44:14	2016-00030269	Parking Violation
	Type Totals: 1	
11/03/2016 09:45:10	2016-00030201	Peace Officer
11/03/2016 12:28:39	2016-00030238	Peace Officer
	Type Totals: 2	
10/19/2016 14:32:07	2016-00028886	Radar/Lidar Post
10/20/2016 12:23:10	2016-00028973	Radar/Lidar Post
10/25/2016 07:46:21	2016-00029343	Radar/Lidar Post
10/28/2016 07:57:58	2016-00029601	Radar/Lidar Post
10/29/2016 12:16:14	2016-00029715	Radar/Lidar Post
10/30/2016 14:03:55	2016-00029801	Radar/Lidar Post
11/03/2016 15:49:35	2016-00030250	Radar/Lidar Post
	Type Totals: 7	
10/26/2016 10:06:26	2016-00029458	Request Officer
10/31/2016 15:57:51	2016-00029905	Request Officer
	Type Totals: 2	
10/24/2016 19:50:00	2016-00029314	Robbery
	Type Totals: 1	
10/22/2016 16:10:08	2016-00029160	SORN
	Type Totals: 1	
11/04/2016 11:42:19	2016-00030325	Street / Road Obstruction
11/06/2016 11:57:11	2016-00030501	Street / Road Obstruction
	Type Totals: 2	
10/21/2016 23:39:24	2016-00029096	Suspicious Person
10/25/2016 20:18:14	2016-00029408	Suspicious Person
10/27/2016 23:48:16	2016-00029582	Suspicious Person

11/07/2016
Biweekly Report

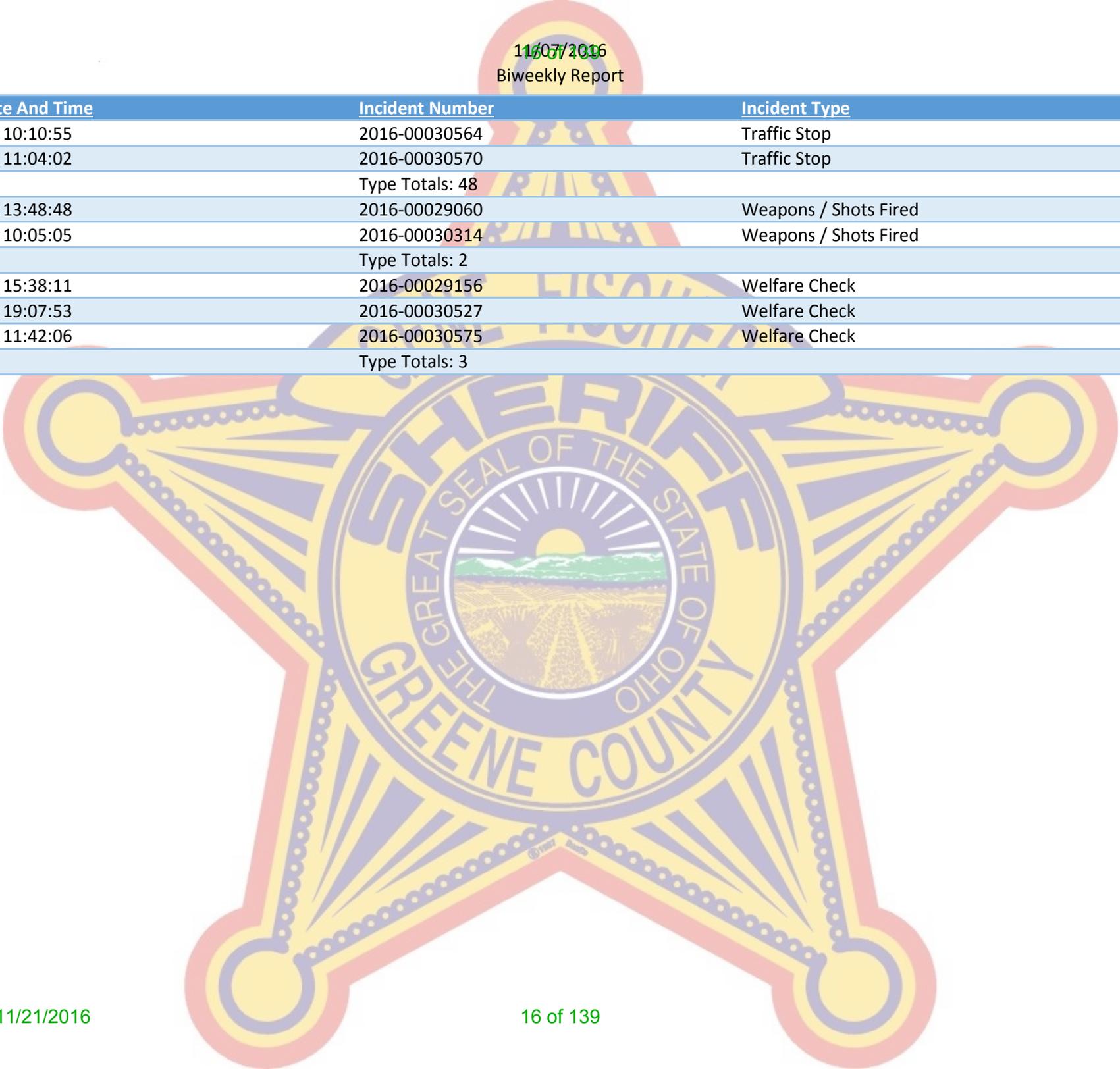
<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/03/2016 01:29:04	2016-00030156	Suspicious Person
	Type Totals: 4	
10/19/2016 16:14:00	2016-00028898	Suspicious Vehicle
10/21/2016 08:00:03	2016-00029019	Suspicious Vehicle
10/30/2016 06:20:42	2016-00029770	Suspicious Vehicle
11/03/2016 10:42:32	2016-00030208	Suspicious Vehicle
11/06/2016 19:11:11	2016-00030528	Suspicious Vehicle
	Type Totals: 5	
11/01/2016 14:22:29	2016-00029997	Test Call
	Type Totals: 1	
10/22/2016 04:39:24	2016-00029112	Theft
10/24/2016 09:21:59	2016-00029279	Theft
10/24/2016 10:08:30	2016-00029287	Theft
10/24/2016 11:10:08	2016-00029294	Theft
10/25/2016 09:48:46	2016-00029361	Theft
11/03/2016 10:49:34	2016-00030225	Theft
	Type Totals: 6	
10/24/2016 12:40:16	2016-00029300	Traffic Complaint
10/29/2016 16:53:28	2016-00029735	Traffic Complaint
	Type Totals: 2	
10/19/2016 13:21:53	2016-00028876	Traffic Stop
10/19/2016 13:58:28	2016-00028880	Traffic Stop
10/19/2016 14:16:39	2016-00028884	Traffic Stop
10/20/2016 03:40:59	2016-00028940	Traffic Stop
10/20/2016 07:46:45	2016-00028950	Traffic Stop
10/21/2016 13:20:05	2016-00029056	Traffic Stop
10/22/2016 12:31:00	2016-00029133	Traffic Stop
10/22/2016 14:59:13	2016-00029152	Traffic Stop
10/23/2016 12:13:10	2016-00029226	Traffic Stop
10/23/2016 20:48:31	2016-00029256	Traffic Stop
10/25/2016 03:06:02	2016-00029330	Traffic Stop
10/25/2016 13:56:03	2016-00029380	Traffic Stop
10/25/2016 14:09:07	2016-00029382	Traffic Stop

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
10/25/2016 18:51:20	2016-00029405	Traffic Stop
10/26/2016 11:53:57	2016-00029467	Traffic Stop
10/26/2016 13:55:56	2016-00029478	Traffic Stop
10/26/2016 14:20:56	2016-00029482	Traffic Stop
10/26/2016 15:43:38	2016-00029491	Traffic Stop
10/26/2016 15:54:12	2016-00029493	Traffic Stop
10/26/2016 16:08:58	2016-00029498	Traffic Stop
10/27/2016 14:09:28	2016-00029553	Traffic Stop
10/27/2016 15:41:00	2016-00029558	Traffic Stop
10/27/2016 15:52:28	2016-00029560	Traffic Stop
10/27/2016 16:08:12	2016-00029564	Traffic Stop
10/29/2016 01:25:13	2016-00029669	Traffic Stop
10/29/2016 04:13:51	2016-00029688	Traffic Stop
10/29/2016 12:19:24	2016-00029716	Traffic Stop
10/29/2016 17:31:12	2016-00029738	Traffic Stop
10/30/2016 14:41:04	2016-00029802	Traffic Stop
10/30/2016 19:52:56	2016-00029816	Traffic Stop
10/31/2016 07:32:48	2016-00029843	Traffic Stop
10/31/2016 12:18:58	2016-00029880	Traffic Stop
10/31/2016 12:39:34	2016-00029884	Traffic Stop
10/31/2016 13:09:51	2016-00029888	Traffic Stop
10/31/2016 13:55:22	2016-00029889	Traffic Stop
11/02/2016 00:36:13	2016-00030045	Traffic Stop
11/03/2016 07:49:07	2016-00030190	Traffic Stop
11/03/2016 16:09:39	2016-00030251	Traffic Stop
11/03/2016 21:53:42	2016-00030277	Traffic Stop
11/03/2016 22:23:18	2016-00030280	Traffic Stop
11/04/2016 11:11:03	2016-00030323	Traffic Stop
11/05/2016 03:15:06	2016-00030398	Traffic Stop
11/05/2016 13:12:53	2016-00030434	Traffic Stop
11/05/2016 13:48:26	2016-00030435	Traffic Stop
11/05/2016 20:50:49	2016-00030461	Traffic Stop
11/06/2016 13:17:51	2016-00030505	Traffic Stop

11/07/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/07/2016 10:10:55	2016-00030564	Traffic Stop
11/07/2016 11:04:02	2016-00030570	Traffic Stop
	Type Totals: 48	
10/21/2016 13:48:48	2016-00029060	Weapons / Shots Fired
11/04/2016 10:05:05	2016-00030314	Weapons / Shots Fired
	Type Totals: 2	
10/22/2016 15:38:11	2016-00029156	Welfare Check
11/06/2016 19:07:53	2016-00030527	Welfare Check
11/07/2016 11:42:06	2016-00030575	Welfare Check
	Type Totals: 3	



11/21/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/10/2016 14:46:27	2016-00030839	Abandoned/Junk Vehicle
	Type Totals: 1	
11/02/2016 06:06:24	2016-00030059	Alarm - Business/Bank
11/04/2016 10:31:35	2016-00030318	Alarm - Business/Bank
11/08/2016 18:51:04	2016-00030679	Alarm - Business/Bank
11/11/2016 18:31:49	2016-00030922	Alarm - Business/Bank
11/14/2016 12:07:19	2016-00031119	Alarm - Business/Bank
	Type Totals: 5	
11/02/2016 22:58:18	2016-00030150	Alarm - Holdup/Panic
	Type Totals: 1	
11/02/2016 15:30:33	2016-00030121	Alarm - Residential
11/02/2016 16:52:41	2016-00030127	Alarm - Residential
11/03/2016 10:48:07	2016-00030209	Alarm - Residential
11/03/2016 13:34:36	2016-00030240	Alarm - Residential
11/04/2016 08:24:34	2016-00030298	Alarm - Residential
11/05/2016 12:23:12	2016-00030431	Alarm - Residential
11/06/2016 12:47:04	2016-00030503	Alarm - Residential
11/08/2016 13:45:05	2016-00030663	Alarm - Residential
11/09/2016 08:40:15	2016-00030713	Alarm - Residential
11/12/2016 03:05:02	2016-00030949	Alarm - Residential
11/14/2016 08:21:30	2016-00031094	Alarm - Residential
11/15/2016 19:19:17	2016-00031254	Alarm - Residential
	Type Totals: 12	
11/10/2016 12:48:23	2016-00030826	Assist
11/12/2016 19:10:48	2016-00030981	Assist
	Type Totals: 2	
11/02/2016 13:51:23	2016-00030103	Business Check
11/02/2016 13:53:35	2016-00030104	Business Check
11/03/2016 01:51:17	2016-00030157	Business Check
11/03/2016 04:40:03	2016-00030178	Business Check
11/03/2016 04:41:12	2016-00030179	Business Check
11/03/2016 04:44:54	2016-00030180	Business Check
11/03/2016 04:46:31	2016-00030181	Business Check

11/21/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/03/2016 04:50:34	2016-00030182	Business Check
11/03/2016 07:05:07	2016-00030186	Business Check
11/05/2016 19:47:54	2016-00030453	Business Check
11/08/2016 04:26:35	2016-00030624	Business Check
11/08/2016 04:29:12	2016-00030625	Business Check
11/08/2016 04:31:20	2016-00030626	Business Check
11/08/2016 04:36:06	2016-00030627	Business Check
11/08/2016 04:41:00	2016-00030628	Business Check
11/08/2016 04:46:45	2016-00030629	Business Check
11/08/2016 04:48:14	2016-00030630	Business Check
11/10/2016 01:11:22	2016-00030784	Business Check
11/10/2016 02:43:51	2016-00030787	Business Check
11/10/2016 02:48:26	2016-00030789	Business Check
11/13/2016 09:25:29	2016-00031014	Business Check
11/13/2016 09:53:05	2016-00031017	Business Check
11/13/2016 20:37:10	2016-00031042	Business Check
11/13/2016 20:45:27	2016-00031045	Business Check
11/13/2016 20:47:03	2016-00031046	Business Check
11/13/2016 20:51:52	2016-00031047	Business Check
11/13/2016 20:55:06	2016-00031048	Business Check
11/13/2016 21:10:57	2016-00031051	Business Check
11/14/2016 01:31:41	2016-00031062	Business Check
11/14/2016 01:55:06	2016-00031063	Business Check
11/14/2016 02:03:12	2016-00031065	Business Check
11/14/2016 02:18:26	2016-00031069	Business Check
11/14/2016 03:35:14	2016-00031081	Business Check
11/14/2016 19:49:12	2016-00031160	Business Check
11/14/2016 19:55:05	2016-00031162	Business Check
11/14/2016 19:58:10	2016-00031163	Business Check
11/15/2016 21:23:56	2016-00031263	Business Check
11/15/2016 21:28:43	2016-00031265	Business Check
	Type Totals: 38	
11/08/2016 20:06:05	2016-00030687	Civil Other

11/21/2016
Biweekly Report

Incident Date And Time	Incident Number	Incident Type
11/09/2016 09:07:39	2016-00030716	Civil Other
11/10/2016 09:06:44	2016-00030801	Civil Other
	Type Totals: 3	
11/10/2016 17:55:55	2016-00030849	Crash - Assist Only
	Type Totals: 1	
11/05/2016 04:11:18	2016-00030400	Crash - Property Damage
11/08/2016 00:52:08	2016-00030617	Crash - Property Damage
11/10/2016 18:33:20	2016-00030851	Crash - Property Damage
11/11/2016 19:57:24	2016-00030927	Crash - Property Damage
11/11/2016 21:20:16	2016-00030929	Crash - Property Damage
11/12/2016 13:06:29	2016-00030970	Crash - Property Damage
11/12/2016 20:16:37	2016-00030982	Crash - Property Damage
11/16/2016 07:04:19	2016-00031282	Crash - Property Damage
	Type Totals: 8	
11/02/2016 14:02:22	2016-00030105	Detail - School
11/07/2016 13:48:40	2016-00030588	Detail - School
11/11/2016 14:20:29	2016-00030907	Detail - School
	Type Totals: 3	
11/03/2016 02:55:23	2016-00030173	Disabled Vehicle
11/03/2016 20:55:26	2016-00030270	Disabled Vehicle
11/04/2016 19:51:30	2016-00030357	Disabled Vehicle
11/04/2016 23:20:08	2016-00030366	Disabled Vehicle
11/14/2016 16:23:18	2016-00031147	Disabled Vehicle
	Type Totals: 5	
11/02/2016 11:06:28	2016-00030089	Extra Patrol
11/15/2016 20:06:23	2016-00031258	Extra Patrol
	Type Totals: 2	
11/03/2016 05:48:34	2016-00030185	Follow Up
11/04/2016 14:03:06	2016-00030335	Follow Up
	Type Totals: 2	
11/06/2016 08:31:59	2016-00030482	Found Property
	Type Totals: 1	
11/09/2016 13:01:25	2016-00030742	Harrassment

11/21/2016
Biweekly Report

Incident Date And Time	Incident Number	Incident Type
	Type Totals: 1	
11/06/2016 02:32:07	2016-00030472	House Check
11/06/2016 09:57:01	2016-00030493	House Check
11/10/2016 08:23:50	2016-00030794	House Check
11/13/2016 11:07:44	2016-00031024	House Check
11/14/2016 08:53:29	2016-00031098	House Check
	Type Totals: 5	
11/11/2016 22:08:00	2016-00030930	Lockout Assistance
11/15/2016 17:52:31	2016-00031247	Lockout Assistance
	Type Totals: 2	
11/05/2016 00:18:38	2016-00030369	Noise Complaint
	Type Totals: 1	
11/03/2016 20:44:14	2016-00030269	Parking Violation
11/15/2016 11:37:33	2016-00031207	Parking Violation
	Type Totals: 2	
11/03/2016 09:45:10	2016-00030201	Peace Officer
11/03/2016 12:28:39	2016-00030238	Peace Officer
	Type Totals: 2	
11/03/2016 15:49:35	2016-00030250	Radar/Lidar Post
11/07/2016 12:54:21	2016-00030581	Radar/Lidar Post
11/11/2016 14:33:27	2016-00030908	Radar/Lidar Post
11/13/2016 10:29:43	2016-00031021	Radar/Lidar Post
	Type Totals: 4	
11/13/2016 02:41:02	2016-00031004	Request Officer
	Type Totals: 1	
11/07/2016 15:18:13	2016-00030600	Solicitor
	Type Totals: 1	
11/04/2016 11:42:19	2016-00030325	Street / Road Obstruction
11/06/2016 11:57:11	2016-00030501	Street / Road Obstruction
11/14/2016 04:45:15	2016-00031086	Street / Road Obstruction
	Type Totals: 3	
11/03/2016 01:29:04	2016-00030156	Suspicious Person
11/07/2016 14:57:33	2016-00030597	Suspicious Person

11/21/2016
Biweekly Report

<u>Incident Date And Time</u>	<u>Incident Number</u>	<u>Incident Type</u>
11/15/2016 13:24:05	2016-00031220	Suspicious Person
	Type Totals: 3	
11/03/2016 10:42:32	2016-00030208	Suspicious Vehicle
11/06/2016 19:11:11	2016-00030528	Suspicious Vehicle
	Type Totals: 2	
11/03/2016 10:49:34	2016-00030225	Theft
11/08/2016 14:33:06	2016-00030668	Theft
	Type Totals: 2	
11/02/2016 00:36:13	2016-00030045	Traffic Stop
11/03/2016 07:49:07	2016-00030190	Traffic Stop
11/03/2016 16:09:39	2016-00030251	Traffic Stop
11/03/2016 21:53:42	2016-00030277	Traffic Stop
11/03/2016 22:23:18	2016-00030280	Traffic Stop
11/04/2016 11:11:03	2016-00030323	Traffic Stop
11/05/2016 03:15:06	2016-00030398	Traffic Stop
11/05/2016 13:12:53	2016-00030434	Traffic Stop
11/05/2016 13:48:26	2016-00030435	Traffic Stop
11/05/2016 20:50:49	2016-00030461	Traffic Stop
11/06/2016 13:17:51	2016-00030505	Traffic Stop
11/07/2016 10:10:55	2016-00030564	Traffic Stop
11/07/2016 11:04:02	2016-00030570	Traffic Stop
11/07/2016 13:59:27	2016-00030590	Traffic Stop
11/07/2016 14:13:02	2016-00030591	Traffic Stop
11/07/2016 14:33:39	2016-00030593	Traffic Stop
11/07/2016 16:11:12	2016-00030602	Traffic Stop
11/08/2016 11:48:38	2016-00030652	Traffic Stop
11/09/2016 01:58:18	2016-00030700	Traffic Stop
11/09/2016 15:41:50	2016-00030753	Traffic Stop
11/09/2016 15:55:35	2016-00030755	Traffic Stop
11/09/2016 16:06:42	2016-00030756	Traffic Stop
11/10/2016 08:39:25	2016-00030796	Traffic Stop
11/10/2016 13:06:05	2016-00030828	Traffic Stop
11/10/2016 14:13:01	2016-00030834	Traffic Stop

11/21/2016
Biweekly Report

Incident Date And Time	Incident Number	Incident Type
11/11/2016 15:47:44	2016-00030913	Traffic Stop
11/12/2016 09:32:21	2016-00030959	Traffic Stop
11/12/2016 22:11:59	2016-00030987	Traffic Stop
11/12/2016 23:58:32	2016-00030989	Traffic Stop
11/13/2016 20:18:45	2016-00031040	Traffic Stop
11/13/2016 23:02:56	2016-00031059	Traffic Stop
11/14/2016 09:47:03	2016-00031107	Traffic Stop
11/14/2016 11:25:48	2016-00031117	Traffic Stop
11/14/2016 15:40:29	2016-00031137	Traffic Stop
11/14/2016 15:43:48	2016-00031138	Traffic Stop
11/14/2016 15:53:04	2016-00031140	Traffic Stop
11/14/2016 15:58:41	2016-00031141	Traffic Stop
11/14/2016 16:08:46	2016-00031146	Traffic Stop
11/14/2016 16:31:13	2016-00031148	Traffic Stop
11/15/2016 14:13:43	2016-00031226	Traffic Stop
11/15/2016 14:29:31	2016-00031229	Traffic Stop
11/15/2016 15:51:45	2016-00031237	Traffic Stop
11/15/2016 16:02:12	2016-00031242	Traffic Stop
	Type Totals: 43	
11/10/2016 19:40:17	2016-00030855	Warrant
	Type Totals: 1	
11/04/2016 10:05:05	2016-00030314	Weapons / Shots Fired
	Type Totals: 1	
11/06/2016 19:07:53	2016-00030527	Welfare Check
11/07/2016 11:42:06	2016-00030575	Welfare Check
11/08/2016 23:21:01	2016-00030690	Welfare Check
	Type Totals: 3	

**BEAVERCREEK TOWNSHIP
HUMAN RESOURCES DEPARTMENT**

851 Orchard Lane, Beavercreek, Ohio 45434
Ph: (937) 426-1213 Fax: (937) 306-5150



**BI-WEEKLY ACTIVITY REPORT
November 21, 2016**

JOB TASKS:

1. 5 Workers' Compensation claims for 2016 (one claim was disallowed)
7 claims filed in 2015
2. Prepare bi-weekly report
3. Review bills
4. Work on BWC appeal
5. File documents
6. Schedule Medwork appointments
7. Work on wellness initiative through MMO
8. Work on certifications for respirator use
9. Work on hiring
10. Grade assessment center/rank candidates
11. Provide comparable information to Washington Township and the City of Miamisburg
12. Work on off duty injuries
13. Draft Fire Marshall and Captain job descriptions
14. Work on health screenings
15. Work on cafeteria plan
16. Work on assessment center for captains

**BEAVERCREEK TOWNSHIP
HUMAN RESOURCES DEPARTMENT**

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MEETINGS AND OTHER ACTIVITIES:

- Meet with the TA on multiple issues
- Meet with Chief VandenBos on multiple issues
- Meetings with Jan Schultz on multiple issues
- Meetings with DC Mercs on multiple township issues
- Meeting with Alan Stock and the FO of Xenia Township to discuss FLSA issues

BEAVERCREEK TOWNSHIP ZONING DEPARTMENT

851 Orchard Lane, Beavercreek, Ohio 45434
Ph.: (937) 306-0065 Fax: (937) 427-6574



BI-WEEKLY REPORT

FOR THE TRUSTEES MEETING OF MONDAY, NOVEMBER 21, 2016

ACTIVITY FROM THU, NOVEMBER03, 2016 THROUGH WED, NOVEMBER 16, 2016

PERMITS: Five single-family dwelling permits were issued in this period. Other permits issued were for two fences, one deck and one Commercial Accessory Structure (a storage hangar at the airport). Also, one Exemption Certificate (for DP&L's Little Miami River Embankment Restoration Project) and two Zoning Compliance Letters (one for Voss Toyota and one for the Enterprise Rental property) were issued. No Parks Permits were issued. Last year, we issued the 90th house permit on Dec. 7th. This year to date we have a 7% increase over 2015 in single-family dwelling permits (90 vs. 84), and a 14% increase in total Zoning actions (297 vs. 261), not counting Parks Permits.

The following chart compares numbers of Zoning Permits issued for the last six years. Numbers through 2015 are totals for each year. 2016 numbers are year-to-date, through November 16. The revenue line is the amount generated by Zoning Department fees.

	2010	2011	2012	2013	2014	2015	2016
Single family dwellings	62	37	47	26	61	96	90
Driveways	32	22	32	27	57	94	88
Additions	4	9	1	3	10	5	7
Fences	16	19	14	20	22	13	17
Pools (including fence)	2	4	8	11	5	7	4
Signs	6	7	7	4	9	7	3
Rights of Way	3	0	7	1	2	3	4
Accessory Decks & Covered Patio	14	16	26	15	8	14	21
Accessory Structures	13	13	14	14	13	15	26
Commercial Structures	1	0	7	2	0	0	0
Commercial Addition	2	0	2	1	1	2	3
Commercial Accessory Structures	1	0	1	2	5	2	4
Temporary Tents Permits	13	13	13	13	14	12	15
Exemption Certificate	0	1	2	3	2	6	2
Use Compliance Certificates	1	2	1	1	1	3	4
Cell Tower Co-location	0	0	0	0	2	0	1
Temporary Use Permits (Real Estate Sales)	0	0	0	0	2	0	0
Political Signs	1	5	2	19	4	7	6
Parks Permits	0	0	0	0	0	18	94
Total	171	148	184	162	218	304	389
Revenue	\$14,274.80	\$24,094.65	\$15,843.80	\$11,735.00	\$15,910.00	\$29,380.00	\$38,824.55

PENDING: Two Specific Site Plan Applications are in progress, one by G.A. White and one by M/I Homes. We've received a preliminary site plan for the new Kia dealership and a rezoning application for a small parcel recently acquired by Stonehill Village. One Single-family Dwelling Application is pending the assignment of an address.

**BEAVERCREEK TOWNSHIP
ZONING DEPARTMENT**

851 Orchard Lane, Beavercreek, Ohio 45434
Ph.: (937) 306-0065 Fax: (937) 427-6574

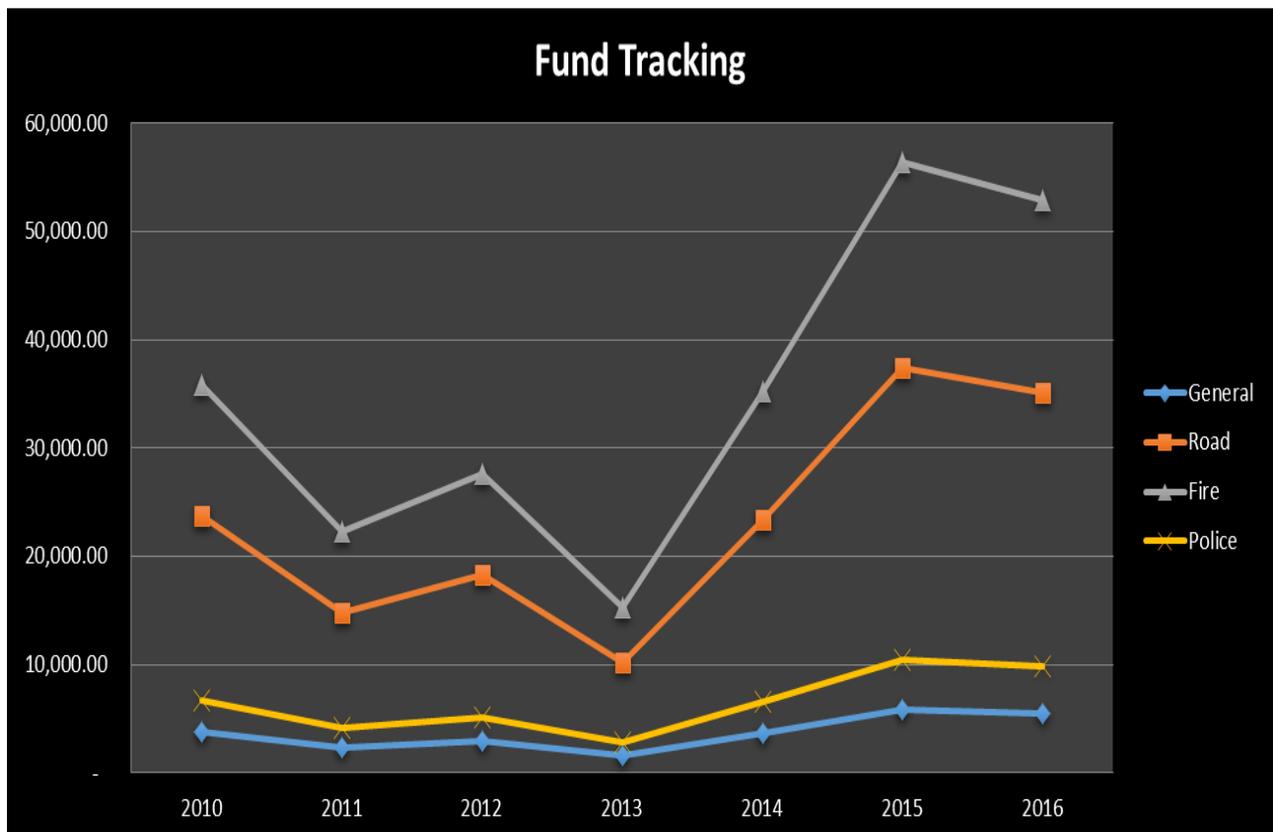


REVENUE PROJECTIONS

The following chart shows estimated **additional** Township revenue generated by new home construction, by Fund. For 2010 through 2015 the amounts are based on final year-end Zoning Permit totals. The numbers for this year are year-to-date based on permits issued through 11-16-16, using 2014 Tax Levy rates and an estimated average NEW HOME property value of **\$350,000**. **Note:** Receipt of revenues will follow two years after they are generated, e.g. revenue generated in 2016 will be disbursed to the Township in 2018.

Fund	2010	2011	2012	2013	2014	2015	2016
General	3,736.25	2,327.50	2,878.75	1,592.50	3,675.00	5,880.00	5,512.50
Road	23,790.06	14,820.04	18,330.05	10,140.03	23,400.06	37,440.10	35,100.09
Fire	35,818.75	22,313.32	27,598.05	15,267.01	35,231.56	56,370.49	52,847.33
Police	6,622.76	4,125.65	5,102.78	2,822.81	6,514.19	10,422.70	9,771.28
Total	69,967.82	43,586.51	53,909.63	29,822.35	68,820.81	110,113.29	103,231.21

The following graph is simply an illustration of the revenue data in the chart above.



BEAVERCREEK TOWNSHIP
ZONING DEPARTMENT

851 Orchard Lane, Beavercreek, Ohio 45434
 Ph.: (937) 306-0065 Fax: (937) 427-6574



MEETINGS & OTHER ACTIVITIES:

1. Consulted with TA and Ohio University staff to assess progress of planning for the Russ Research Center. A meeting in Athens is being planned.
2. Continued formal and informal training of Zoning Assistant for assumption of new duties (Novak recommendation).
3. Conferred with TA & HR Manager re: 2017 budget.
4. Conferred with consulting engineer re: minor modification to Stonehill Master Plan, re-zoning application.
5. Wrote Veterans Day Proclamation on behalf of the Employee Recognition Committee.
6. Attended Safe Routes to School meeting at Fairbrook Elementary school 11/03.
7. Attended Beaver Creek Management Advisory Group (BMAG) 11/04.
8. Met with resident, Road Superintendent and SWCD drainage engineer re: Bexley Hills drainage issues 11/04.
9. Attended Trustees regular meeting 11/07.
10. Conferred with DP&L consultant re: Little Miami Embankment Restoration Project 11/10.
11. Attended SRTS meeting at Shaw Elementary School 11/10.
12. Discussed Specific Site Plan submittal with Developer 11/14.
13. Attended quarterly meeting of the GC Solid Waste District Policy Committee 11/16.
14. Attended TA Staff mtg. 11/16.
15. With TA, attended Trails Management Committee mtg. 11/16.

Following are some highlights of additional Zoning tasks performed by Laurie Brown, Zoning Assistant (tasks outside her job description)

1. Spent approximately 1 hour preparing Trustee Meeting Minutes.
2. Advised resident about Parks Permits;
3. Responded to multiple Zoning Complaints, conducted follow-up investigations, reporting.
4. Assisted with preparation of Zoning Department bi-weekly report;
5. Consulted with ZA, TA, HR Manager & IT Manager re: Zoning Dept. reorganization.
6. Arranged Safe Routes to School Planning Committee meetings.
7. With ZA, attended mtg. with residents, Road Supt. and SWCD engineer re: Bexley Hills drainage issues 11/04.

BEAVERCREEK TOWNSHIP ZONING DEPARTMENT

851 Orchard Lane, Beavercreek, Ohio 45434
Ph.: (937) 306-0065 Fax: (937) 427-6574



BUILD-OUT DATA

The following chart shows build-out percentages and remaining shovel-ready home sites, by subdivision. This chart is a work-in-progress – we will continually update it according to available data, and will perform field checks as time allows.

PUD	Homes Approved	Completed	% Completed	Shovel Ready Sites
Spring Meadows	136	94	71%	42
Spring Ridge	111	101	77%	10
The Conservancy	62	59	95%	3
Rolling Meadows	24	23	96%	1
Dorset Downs	37	32	86%	5
Nathaniel's Grove	475	0	0%	0
Wolf Ridge	14	13	93%	1
Stonehill Village				
Spindletop	156	144	91%	12
Liberty Hill	162	141	87%	21
Claiborne Greens	166	63	38%	52
The Narrows	26	25	96%	1
River West				
Scarborough	75	13	17%	25
Bexley Hills	77	53	69%	14
River Reserve	244	0	0%	0
Stone Farm Est.	26	25	96%	1
Country Club of the North	311	241	77%	70
Hunters' Pointe	344	344	100%	0
Hickory Hollow Est.	44	44	100%	0
Wood Ridge Est.	44	10	23%	34
Arlington/The Colony	154	141	92%	13
Woodland Hills Estates	45	44	98%	1
Beaver Hills Estates	53	53	100%	0
Windemere	77	77	100%	0
Totals	2863	1740	61%	306

BEAVERCREEK TOWNSHIP
INFORMATION TECHNOLOGY DEPARTMENT

851 Orchard Lane, Beaver Creek, Ohio 45434
 Ph: (937) 306.5049 Fax: (937) 426-8780



Agenda Items for Nov 21, 2016
Regular Board of Trustees' Meeting
 (Report period 03—17 Nov 16)

1. Biweekly Activity Report

1. Biweekly Report

1.1 IT Projects/Management:

- 1.1.1 Upgrade Citrix environment (in-work, No changes on status)
 - 1.1.1.1 Trying to get a three-way meeting setup with Citrix and EMC and hammer out the bottlenecks between the two systems. Still having serious performance issues on the new farm with any type of load on the system. (still trying to coordinate this call)
- 1.1.2 Voicemail Upgrade--Complete
- 1.1.3 Increase network bandwidth
 - 1.1.3.1 In Work—Awaiting DataYard, requested update 17 Nov.
- 1.1.4 Research and deploy video conferencing between all Fire Stations (on hold for Citrix Migration/Bandwidth Increase)
 - 1.1.4.1 Video still very choppy and buffers frequently. Researching options to increase bandwidth, see meetings 1.3.1
- 1.1.5 Equipment Inventory, Surplus (Gov Deals) and Repurpose IT equipment
 - 1.1.5.1 Gathering and prepping equipment
- 1.1.6 Hot/Warm site planning, station 64(hold)

1.2 Network Administration:

- 1.2.1 Server Updates, Changes, Creations and/or Deletions
 - 1.2.1.1 Patched /Rebooted all servers physical/virtual (in-progress)
 - 1.2.1.2 Verified Backups are current and running
 - 1.2.1.3 Updating Pooled VMs
- 1.2.2 Social Media—Township/Fire Website, Facebook, Twitter, YouTube
 - 1.2.2.1 Postings:
 - 1.2.2.1.1 Regular Beaver Creek Board of Trustees meeting for 07 Nov 16 (packet and video)
 - 1.2.2.1.2 Past Meeting Minutes
 - 1.2.2.1.3 BZA Meeting Cancellation
 - 1.2.2.1.4 Special Meeting Notices
 - 1.2.2.1.5 Issue 14 and 15 Tax Levy
 - 1.2.2.1.5.1 Appreciation to the voters...
 - 1.2.2.2 Web Site Updates: (Drupal)

1.2.2.2.1 Security Update

1.2.3 Active Directory (User/Group account management)

1.2.3.1 Unlocked/Reset accounts / passwords

1.2.3.2 Added/Deleted users To/From Security Groups

1.2.3.3 Purged old user/computer accounts

1.2.3.4 Reviewed Spam/Web filters

1.2.3.4.1 Forwarded legitimate emails caught in filters

1.2.3.4.2 Deleted/Whitelisted domains as appropriate

1.2.3.4.3 Purged junk mail from DataYard filter

1.2.3.4.4 Removing approximately 800-900 daily and over 2K on Mondays

1.3 Meetings:

1.3.1 Department Heads Meeting

1.4 Training:

1.4.1 None this period

1.5 Miscellaneous / Outages:

1.5.1 Update on Time Warner upgrade for Sheriff Substation

1.5.1.1 Bandwidth has been increased

1.5.1.2 Static IP has been assigned to cable modem and Body Cam docking stations has been configured and is functioning properly

1.5.2 Configured two new laptops for Fire Department

1.5.2.1 Installed and configured all prerequisites for AEGIS

1.5.3 Working on IT Departments Budget

1.5.4 No outages this period

1.6 Awareness Items:

1.6.1 None this period

1.7 Purchases:

1.7.1 2ea. Laptops for Fire Department (AEGIS training)

I look forward to meeting with you at the 21 November meeting and answering any questions/concerns you may have on the preceding information. In the meantime, if you have any questions you can contact me via email or cell @ 937.212.1379

Jeff Terry | Information Technology
Beavercreek Township
jterry@beavercreektownship.org
937.306.5049

To: Alex Zaharieff, Township Administrator
From: Tim Parks, Road Superintendent
Date: November 16, 2016
Reference: November 21, Trustees Meeting

Please find documentation for the following Road Department agenda items for Monday's meeting:

- 1) Purchase request for Single Axle Cab & Chassis and Equipment
 - 2) Bi- weekly report
-

1. Purchase of single axle cab & chassis and for replacement of dump truck with equipment
 - 1.1. Project Necessity; Near Future Need
 - 1.2. Project Requirement: Identified in equipment replacement survey (recommended by Novak Consultants) as a priority replacement. See attached sheet.
 - 1.3. Identified in the 2016 Budget as a capital need 2031-330-750-0000 Motor Vehicles
 - 1.4. This will be a replacement of a 2001 International dump truck that is currently used as a reserve and as an additional truck during cleanup operations in the winter season.
 - 1.5. Quotes
 - 1.5.1.The Cab & Chassis is under ODOT invitation 023-16
 - 1.5.2.The Equipment is under National Joint Powers Alliance(NJPA) contract number 080114-HPI the Township's member number is 39869
 - 1.6 Specifications- see attached
 - 1.7 Other cost considerations
 - 1.7.1 Estimated life is 15 years
 - 1.7.2 Normal maintenance
 - 1.8 Disposition of existing vehicle will be provided at a time after delivery and acceptance of new vehicle

I make a motion to approve purchase request (08283) to Stoops Freightliner for a 2016 Freightliner M2 Cab & Chassis under ODOT contract 023-16, in an amount of \$78,506; and authorize the Township Administrator to sign for the Board.

I make a motion to approve purchase request (08285) to Henderson Products for dump body and related equipment with installation under NJPA contract #080114-HPI, in the amount of \$58,990; and authorize The Township Administrator to sign for the Board.

2. Bi-weekly

33 of 139
Off-road Equipment

Factor	Points	Description
Age	1	Each year of chronological age
Miles/Hours	1	For every 10,000 Miles of usage
	1	For every 250 hours
	1	For every year of life
Type of Service	1	Standard duties as equipped for factory
	2	Standard duties when used with Attachment (Backhoe, bush hog)
	3	Multiple duties based on season (snow, mowing)
	4	Extreme duty in harmful conditions (Dust, Salt loading, water)
	5	Heavy construction including Snow Plowing and removal
Reliability	1	In shop one time in three months' time period, no major breakdowns or road calls
	2	In shop one time within three months time period , 1 major breakdow or road call
	3	In shop more than once within three months 1 major breakdown or road call
	4	In shop more tha twice within one month time period one or more breakdowns
	5	In shop more than twice monthly with two or more breakdowns
M&R Costs	1	Maintenance costs are less or equal to 20% of replacement cost
	2	Maintenance cost are 21% - 40 % of replacement cost
	3	Maintenance cost 41% - 60% of replacement cost
	4	Maintenace cost are 61% - 80% of replacement cost
	5	Maintenace cost greater than 81% of replacement cost
Condition	1	Good condition, fully functional
	2	Fair condition, functional
	3	Minor damage weak operating system
	4	Severe damage, components not functioning
	5	Extreme damage, inoperable.

34 of 139
Medium and Heavy Duty Trucks

Factor	Points	Description
Age	1	Each year of chronological age
Miles/Hours	1	For every 5,000 Miles of usage
	1	For every 250 hours
Type of Service	1	Standard duties as equipped for factory
	2	Standard duties when used with occasional off-road usage Standard load hauling and some towing
	3	Any vehicle that pulls trailers frequently, hauls heavy loads, long idle periods, and has frequent off road use
	4	Any vehicle involved in snow removal
	5	Extreme service, Plowing, Heavy Loads off road frequently, and heavy towing
Reliability	1	In shop one time in three months' time period, no major breakdowns or road calls
	2	In shop one time within three months time period , 1 major breakdow or road call
	3	In shop more than once within three months 1 major breakdown or road call
	4	In shop more tha twice within one month time period one or more breakdowns
	5	In shop more than twice monthly with two or more breakdowns
M&R Costs	1	Maintenance costs are less or equal to 20% of replacement cost
	2	Maintenance cost are 21% - 40 % of replacement cost
	3	Maintenance cost 41% - 60% of replacement cost
	4	Maintenace cost are 61% - 80% of replacement cost
	5	Maintenace cost greater than 81% of replacement cost
Condition	1	Good condition, fully functional
	2	Fair condition, functioanl, minor imperfections to body or paint
	3	Minor damage to body or paint from 15' or more, damage to add on equipment, worn interior and weak or noise drive train
	4	Previous accidnet, damage that was repaired, poor body condition, rust holes, bad interior, major damage to add on equipment
	5	Extreme damage, inoperable systems or drive components and major rust and body cracking

Factor	Points	Description
Age	1	Each year of chronological age
Miles/Hours	1	For every 10,000 Miles of usage
	1	For every 250 hours
Type of Service	1	Standard duties as equipped for factory
	2	Standard duties when used with occasional off-road usage
	3	Any vehicle that pulls trailers frequently, hauls heavy loads and has frequent off road use
	4	Any vehicle involved in snow removal
	5	Police, Fire and rescue
Reliability	1	In shop one time in three months' time period, no major breakdowns or road calls
	2	In shop one time within three months time period , 1 major breakdow or road call
	3	In shop more than once within three months 1 major breakdown or road call
	4	In shop more tha twice within one month time period one or more breakdowns
	5	In shop more than twice monthly with two or more breakdowns
M&R Costs	1	Maintenance costs are less or equal to 20% of replacement cost
	2	Maintenance cost are 21% - 40 % of replacement cost
	3	Maintenance cost 41% - 60% of replacement cost
	4	Maintenace cost are 61% - 80% of replacement cost
	5	Maintenace cost greater than 81% of replacement cost
Condition	1	Good condition, fully functional
	2	Fair condition, functioanl, minor imperfections to body or paint
	3	Minor damage to body or paint from 15' or more, damage to add on equipment, worn interior and weak or noise drive train
	4	Previous accidnet, damage that was repaired, poor body condition, rust holes, bad interior, majr damage to add on equipment
	5	Extreme damage, inoperable.



Ohio Department of Transportation

Central Office • 1980 West Broad Street • Columbus, OH 43223

John Kasich, Governor • Jerry Wray, Director

August 31, 2016

Beavercreek Township
 Attn: Alex Zaharieff
 851 Orchard Lane
 Beavercreek, Ohio 45434-7220

Invitation: 023-16
 Commodity: Single & Tandem Axle Cab & Chassis

Dear Customer:

The Single & Tandem Axle Cab & chassis referred to in your letter dated August 24, 2016 was awarded to Stoops Freightliner.

COMPANY

Stoops Freightliner (Quality)
7800 Center Pt 70 Blvd
Dayton, OH 45424
Gary Schmalz
937-236-4092

A copy of this letter is being mailed to the awarded vendor to notify them of our approval of your request to purchase the referenced equipment/materials. This procedure shall be in accordance with Section 5513.01 (B) of the Ohio Revised Code. The ODOT Cooperative Purchasing Program permits political subdivisions to purchase the exact items specified in the Invitation to Bid. Options added to the Departments specified equipment must be purchased in conformance with the Ohio Revised Code and local competitive bidding requirements.

Any further actions regarding this Invitation are the responsibility of the Political Subdivision and the Vendor. All actions must comply with the specific requirements of the Invitation. If you experience any problems or need further assistance, please feel free to contact Jim Schurch at (614) 644-7870 or (800) 459-3778.

Respectfully,

Thomas P. Pannett, P.E., Esq., MBA
 Administrator, Office of Contract Sales
 Division of Construction Management



BEAVERCREEK TOWNSHIP

851 Orchard Lane
Beavercreek, Ohio 45434-7220
(937) 429-4472
(937) 429-5678 Fax

Trustees - Carol Graff
Tom Kretz
Jeff Roberts

Fiscal Officer - Christy L. Ahrens

Administrator - J. Alexander Zaharieff

August 24, 2016

Beavercreek Township request to participate in ODOT bid 023-16 Single & Tandem Cab and Chassis and Light Duty Chassis, through Stoops Freightliner (Quality) 7800 Center Pt 70 Blvd Dayton, Ohio 45424. Please feel to contact my Road Superintendent at 937-429-3672 if you need additional information.

Alex Zaharieff

A handwritten signature in black ink, appearing to read 'Alex Zaharieff', written over a horizontal line.

Township Administrator
Beavercreek Township



OHIO DEPARTMENT OF TRANSPORTATION

CENTRAL OFFICE - 1980 WEST BROAD STREET - COLUMBUS, OH 43223
JOHN R. KASICH, GOVERNOR - JERRY WRAY, DIRECTOR

July 26, 2016

July 26 2016

Stoops Freightliner (Quality)
7800 Center Pt 70 Blvd
Dayton, OH 45424

AUG 1 2016

Re: 023-16
Single & Tandem Axle Cab and Chassis and Light Duty Chassis

Dear Vendor:

Your bid proposal as submitted has been accepted by the Ohio Department of Transportation.

This Invitation permits multiple awarded vendors to provide Single & Tandem Axle Cab and Chassis and Light Duty Chassis. The contract will be in effect from August 1, 2016 to April 30, 2017.

A purchase shall only take place upon the issuance of an official purchase order or the use of a payment card. There is no guarantee that purchase orders will be issued or that products will be ordered against issued purchase orders.

Thank you for bidding on our invitation. Jim Schurch is available for any assistance necessary to ensure that a quality partnership exists between your company and our Department. If you have any questions, please call (614) 644-7870 or (800) 459-3778.

Respectfully,

Jerry Wray
Director
Ohio Department of Transportation

JW:jas

c: file

*Jim. Schurch @ Dot.
OHIO. GOV*

CENTRAL OFFICE - 1980 WEST BROAD STREET - COLUMBUS, OH 43223
JOHN R. KASICH, GOVERNOR - JERRY WRAY, DIRECTOR



BEAVERCREEK TOWNSHIP

851 Orchard Lane
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Administrator - J. Alexander Zaharieff

BEAVERCREEK TOWNSHIP TRUSTEES GREENE COUNTY, OHIO

RESOLUTION NUMBER: 2016-321
ADOPTION DATE: AUGUST 15, 2016

WHEREAS, the Board of Trustees of Beavercreek Township, Greene County, State of Ohio, moved for approval of the following:

WHEREAS, Section 5513.01 (B) provides the opportunity for Counties, Townships, Municipal Corporations, Conservancy Districts, Township Park Districts, Park Districts created under Chapter 1545 of the Revised Code, Port Authorities, Regional Transit Authorities, Regional Airport Authorities, Regional Water and Sewer Districts, County Transit Boards, State Universities or Colleges to participate in contracts of the Ohio Department of Transportation for the purchase of machinery, materials, supplies or other articles.

WHEREAS, The Township Administrator hereby request authority in the name of Beavercreek Township to participate in the Ohio Department of Transportation's contracts for the purchase of machinery, materials, supplies or other articles which the Department has entered into pursuant to Ohio Revised Code Section 5513.01.

WHEREAS, The Township Administrator is hereby authorized to agree in the name of Beavercreek Township to be bound by all Ohio Department of Transportation contract terms and conditions and to assume all responsibility for placing orders and vendor payments.

WHEREAS, The Township Administrator is hereby authorized to agree in the name of Beavercreek Township to directly pay vendors, under each contract of the Ohio Department of Transportation in which Beavercreek Township participates, for items it received pursuant to the contract.

WHEREAS, Beavercreek Township agrees to be responsible for resolving all claims or disputes arising out of its participation in cooperative purchasing program under Section 5513.01(B) of Ohio Revised Code. Beavercreek Township releases and forever discharges the Director of Transportation and the Ohio Department of Transportation from all such claims or actions, arising out of its participation in cooperative purchasing program which Beavercreek Township may have or claim to have against ODOT or its employees, unless such liability is the result of negligence on part of ODOT or its employees.

This Agreement does not obligate either Beavercreek Township or the State to indemnify or hold the other harmless with respect to any claim or demand asserted by a third parties against

Prepared for:
Ben Northup
Beavercreek Township
1981 Dayton Xenia Rd
Beavercreek, OH 45434
Phone: 937-429-3672

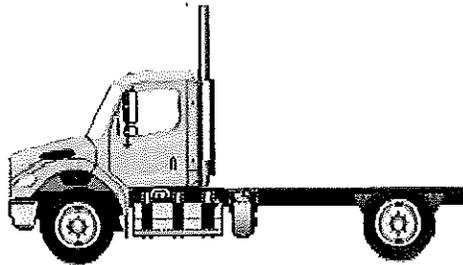
Prepared by:
Gary Schmaltz
STOOPS FREIGHTLINER
7800 CENTER POINT 70 BLVD
DAYTON, OH 45424
Phone: (937) 236-4092

A proposal for
Beavercreek Township

Prepared by
STOOPS FREIGHTLINER
Gary Schmaltz

Oct 21, 2016

Freightliner M2 106



Components shown may not reflect all spec'd options and are not to scale

Application Version 9.0.007
Data Version PRL-14M.046
Beavercreek Twp M2-106 4X2 39K



10/21/2016 11:40 AM

Page 1 of 33

Prepared for:
Ben Northup
Beavercreek Township
1981 Dayton Xenia Rd
Beavercreek, OH 45434
Phone: 937-429-3672

Prepared by:
Gary Schmaltz
STOOPS FREIGHTLINER
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Q U O T A T I O N

M2-106 CONVENTIONAL CHASSIS	
SET BACK AXLE - TRUCK	16,000# FLAT LEAF FRONT SUSPENSION
CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	3900MM (154 INCH) WHEELBASE
RS-23-160 23,000# R-SERIES SINGLE REAR AXLE	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD	1600MM (63 INCH) REAR FRAME OVERHANG
DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

	TOTAL # OF UNITS (1)	PER UNIT	TOTAL
VEHICLE PRICE		\$ 78,306	\$ 78,306
EXTENDED WARRANTY		\$ 200	\$ 200
DEALER INSTALLED OPTIONS		\$ 0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$ 78,506	\$ 78,506

TAXES AND FEES			
TAXES AND FEES		\$ 0	\$ 0
OTHER CHARGES		\$ 0	\$ 0

TRADE-IN			
TRADE-IN ALLOWANCE		\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$ 78,506	\$ 78,506

Prices are based on the Ohio Department of Transportation contract #023-16 and are valid on orders submitted before April 30, 2017.

APPROVAL: Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___.



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QUOTATION DETAILS

EXTENDED WARRANTY				
TOWING: 1 YEAR/UNLIMITED	\$	200	\$	200
MILES/KM EXTENDED TOWING				
COVERAGE \$550 CAP FEX APPLIES				

Daimler Truck Financial

Financing that works for you.

See your local dealer for a competitive quote from Daimler Truck Financial, or contact us at Information@dtfoffers.com.

Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.



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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-14M	M2 PRL-14M (EFF:10/05/15)			STD
Data Version				
DRL-046	SPECPRO21 DATA RELEASE VER 046			N/C
Vehicle Configuration				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$98,616.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-010	DIRT/SAND/ROCK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 39000.0 lbs			
Truck Service				
AA3-018	FRONT PLOW/END DUMP BODY			N/C
A88-99D	EXPECTED TRUCK BODY LENGTH : 10.0 ft			

Application Version 9.0.007
Data Version PRL-14M.046
Beavercreek Twp M2-106 4X2 39K



10/21/2016 11:40 AM

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Data Code	Description	Weight Front	Weight Rear	Retail Price
A89-99D	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 4.0 in			
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
Engine				
101-22P	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM	640	30	\$12,448.00
Electronic Parameters				
79A-065	65 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-015	PTO MODE ENGINE RPM LIMIT - 2100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-009	PTO MODE CANCEL VEHICLE SPEED - 0 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
79V-001	ENABLE REGENERATION IN PTO MODE			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
Engine Equipment				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-102	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND UNDER HOOD BLEND AIR DOOR			\$147.00
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES			\$41.00
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-060	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH WITH LOCKING PROVISION MOUNTED OUTBOARD DRIVER SEAT	8		\$244.00
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$111.00
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20		N/C
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25	\$852.00
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			N/C
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			N/C
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	35	10	\$105.00
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			\$17.00
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5	\$153.00
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)			N/C
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			N/C
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	20		N/C
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-998	NO RADIATOR/OIL PAN GUARD	-5		N/C
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$99.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			N/C

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	\$6,785.00
---------	--	-----	----	------------

Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			N/C
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD

Application Version 9.0.007
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Beavercreek Twp M2-106 4X2 39K



10/21/2016 11:40 AM

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Data Code	Description	Weight Front	Weight Rear	Retail Price
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
85E-015	MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1200 RPM - ALLISON 5TH GEN TRANSMISSIONS			N/C
85F-040	MAXIMUM ENGINE SPEED FOR PTO OPERATION 2300 RPM - ALLISON 5TH GEN TRANSMISSIONS			N/C
85G-139	MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 3500 RPM - ALLISON 5TH GEN TRANSMISSIONS			N/C
85H-139	MAXIMUM OUTPUT SPEED FOR PTO OPERATION 3500 RPM - ALLISON 5TH GEN TRANSMISSIONS			N/C
353-023	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME			\$47.00
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED			\$38.00
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			N/C
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-013	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP			\$69.00
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

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 Ben Northup
 Beavercreek Township
 1981 Dayton Xenia Rd
 Beavercreek, OH 45434
 Phone: 937-429-3672

Prepared by:
 Gary Schmaltz
 STOOPS FREIGHTLINER
 7800 CENTER POINT 70 BLVD
 DAYTON, OH 45424
 Phone: (937) 236-4092

Data Code	Description	Weight Front	Weight Rear	Retail Price
Front Axle and Equipment				
400-1A9	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190		\$1,945.00
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$84.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-012	TRW TAS-85 POWER STEERING	40		N/C
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE			STD
Front Suspension				
620-004	16,000# FLAT LEAF FRONT SUSPENSION	260		\$684.00
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			N/C
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-998	NO FRONT SHOCK ABSORBERS	-30		N/C
Rear Axle and Equipment				
420-051	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		180	\$709.00
421-614	6.14 REAR AXLE RATIO			\$84.00
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-20	-20	(\$405.00)
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$774.00
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			N/C
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH			N/C



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	Data Code	Description	Weight Front	Weight Rear	Retail Price
	423-033	MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$102.00
	433-002	NON-ASBESTOS REAR BRAKE LINING			STD
	434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
	451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
	425-002	REAR BRAKE DUST SHIELDS			\$61.00
	440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
	426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
	428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
	41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
Rear Suspension					
N	622-1DF	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		230	(\$954.00)
	621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
	431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
	623-005	FORE/AFT CONTROL RODS			N/C
Brake System					
	018-002	AIR BRAKE PACKAGE			STD
	490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
	871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
	904-001	FIBER BRAID PARKING BRAKE HOSE			STD
	412-001	STANDARD BRAKE SYSTEM VALVES			STD
	46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
	413-002	STD U.S. FRONT BRAKE VALVE			STD
	432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
	480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
	479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL			N/C
	460-093	STEEL AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL	10	10	\$227.00
	607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD			\$63.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
477-008	BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK			\$73.00
Trailer Connections				
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE			\$221.00
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME	5	5	\$891.00
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
Wheelbase & Frame				
545-390	3900MM (154 INCH) WHEELBASE			N/C
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	-30	290	\$672.00
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW			N/C
552-030	1600MM (63 INCH) REAR FRAME OVERHANG			STD
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH			N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 88.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 84.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 246.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 88.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 52.5 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.82 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12		\$51.00
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15		\$96.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
Fuel Tanks				
204-195	60 GALLON/227 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	30		\$210.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-007	FUEL TANK(S) FORWARD			STD
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	-5		\$30.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100		\$570.00
094-0DH	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES		28	(\$60.00)
Hubs				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
Wheels				
502-579	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66		\$270.00
505-524	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS			N/C
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
498-011	NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES			\$34.00
Cab Exterior				

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Data Code	Description	Weight Front	Weight Rear	Retail Price
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			\$118.00
678-998	NO GRAB HANDLES			(\$51.00)
646-011	STATIONARY PAINTED FULL GRILLE FOR CHASSIS WITHOUT INTEGRAL FRONT FRAME EXTENSIONS	5		\$345.00
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED	4		\$136.00
726-001	SINGLE ELECTRIC HORN			STD
728-001	SINGLE HORN SHIELD			N/C
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-047	LED AERODYNAMIC MARKER LIGHTS			\$37.00
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS			\$136.00
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			\$330.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4		\$218.00
663-029	1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS			\$338.00
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD
Cab Interior				
707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD

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Beavercreek Township
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Data Code	Description	Weight Front	Weight Rear	Retail Price
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
860-004	SMART SWITCH EXPANSION MODULE			\$189.00
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF			\$68.00
655-005	LH AND RH ELECTRIC DOOR LOCKS			\$99.00
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$16.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT			STD
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
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Data Code	Description	Weight Front	Weight Rear	Retail Price
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
721-001	97 DB BACKUP ALARM		3	\$60.00
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			\$9.00
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-035	(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP	5		\$71.00
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
679-001	OVERHEAD INSTRUMENT PANEL			\$76.00
746-1B3	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10		\$398.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			\$23.00
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			\$92.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-008	STANDARD VEHICLE SPEED SENSOR WITH ADDITIONAL SIGNAL FOR CUSTOMER USE LOCATED BETWEEN DRIVER AND PASSENGER SEATS			\$25.00
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-012	FOUR ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT			\$113.00
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH			\$12.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-038	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND SINGLE CONNECTOR AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS			\$148.00
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
Design				
065-000	PAINT: ONE SOLID COLOR			STD
Color				
980-2CV	CAB COLOR A: N0131EA YELLOW ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
Certification / Compliance				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
Secondary Factory Options				
998-001	CORPORATE PDI CENTER IN-SERVICE ONLY			N/C
Sales Programs				
NO SALES PROGRAMS HAVE BEEN SELECTED				

TOTAL VEHICLE SUMMARY

Adjusted List Price

Adjusted List Price ** \$129,900.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	7432 lbs	4379 lbs	11811 lbs
Total Weight*	7432 lbs	4379 lbs	11811 lbs

ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

Other Factory Charges

PMU-017	2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR	\$300.00
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00



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Extended Warranty

WAG-010	TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES	\$200.00
	Currency Exchange Rate	1.0000
	Total Extended Warranty (Local Currency)	\$200.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

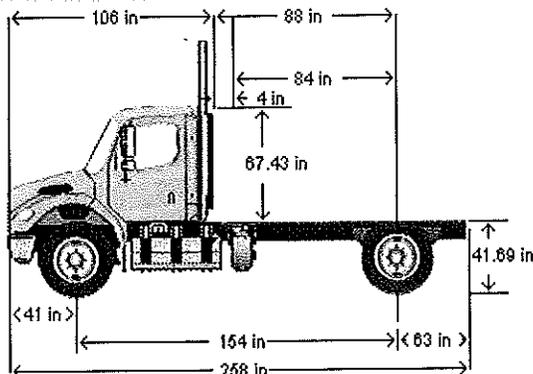
(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



Prepared for:
 Ben Northup
 Beavercreek Township
 1981 Dayton Xenia Rd
 Beavercreek, OH 45434
 Phone: 937-429-3672

Prepared by:
 Gary Schmalz
 STOOPS FREIGHTLINER
 7800 CENTER POINT 70 BLVD
 DAYTON, OH 45424
 Phone: (937) 236-4092

DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	3900MM (154 INCH) WHEELBASE
Rear Frame Overhang (552)	1600MM (63 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER/CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE



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TABLE SUMMARY - DIMENSIONS

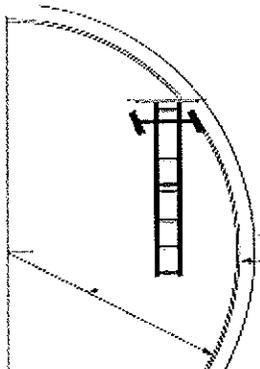
Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Min. Cab to Body Clearance (CB)	4.0
Back of Cab to Centerline of Rear Axle(s) (CA)	88.4
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	84.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	4.0
Back of Cab to End of Frame	151.4
Cab Height (CH)	87.4
Wheelbase (WB)	154.0
Frame Overhang (OH)	63.0
Overall Length (OAL)	257.7
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	41.7

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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TURNING RADIUS



Turning radius graphic and data provided for general estimate purposes only. For specific figures regarding your configuration, please contact your CAE representative.

	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	49.8	40.8	+/- 3.0
Curb to Curb Diameter (ft)	48.3	39.1	+/- 3.0
Turning Radius (ft)	23.6	19.0	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Wheelbase (545).....	3900MM (154 INCH) WHEELBASE
Front Tires (093).....	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
Width (in).....	12.5
Front Axle (400).....	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Kingpin Intersection (in).....	71
Bumper (556).....	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS
Width (in).....	93.5
Bumper Miter to Front Axle (in).....	21.458
Primary Steering Location (003).....	LH PRIMARY STEERING LOCATION
Steering Gear (536).....	TRW TAS-85 POWER STEERING
Dual Steering Gear.....	NONE
Ram.....	NONE
Rear Axle (420).....	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Axle Spacing (624).....	NO AXLE SPACING

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F R A M E R B M

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)3900MM (154 INCH) WHEELBASE
 Frame Rails (546)..... 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI(546)
 Yield Strength (psi) 120000
 Section Modulus (per rail) (cu in) 21.6
 RBM (per rail) (lbf-in) 2590000
 Inner Frame Reinforcement (547).....NO INNER FRAME REINFORCEMENT
 Outer Frame Reinforcement (548) ..BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	3900MM (154 INCH) WHEELBASE
Frame	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
Inner Frame Reinforcement	NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	21.06
Frame RBM - per rail (lbf-in)	2592000

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7800 CENTER POINT 70 BLVD
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G V W R

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs)	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs)	39000
Expected GCW (lbs)	0.0
Front Axle (400).....	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Front Suspension (620)	16,000# FLAT LEAF FRONT SUSPENSION
Front Hubs (418)	CONMET PRESET PLUS IRON FRONT HUBS
Front Disc Wheels (502)	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS
Front Tires (093).....	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402).....	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....	TRW TAS-85 POWER STEERING
Rear Axle (420)	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Rear Suspension (622).....	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD
Rear Hubs (450).....	CONMET PRESET PLUS IRON REAR HUBS
Rear Disc Wheels (505).....	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS
Rear Tires (094)	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Rear Brakes (423)	MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626)	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....	NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509)	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....	NO PUSHER/TAG BRAKES



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TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axes	16000	23000
Suspension	16000	30000
Hubs	23000	26000
Brakes	18000	24999
Wheels	20000	29600
Tires	18180	23360
Power Steering	18000	N/A
GAWR (per axle)	16000	23000
GAWR (per axle system)	16000	23000
Expected Load (per axle system)	16000	23000
Vehicle GVWR Summary		
Calculated GVWR	39000	
Expected GVWR	38000	
All weights displayed in pounds		

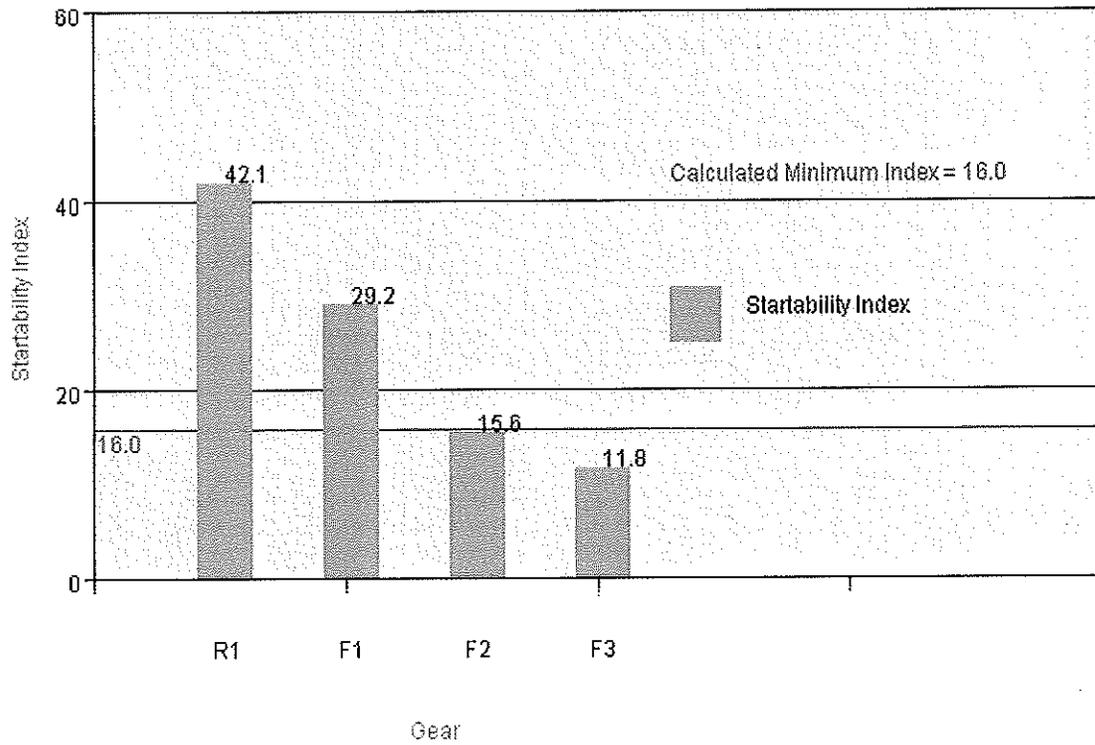
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STARTABILITY



Prepared for:
 Ben Northup
 Beaver Creek Township
 1981 Dayton Xenia Rd
 Beaver Creek, OH 45434
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Prepared by:
 Gary Schmaltz
 STOOPS FREIGHTLINER
 7800 CENTER POINT 70 BLVD
 DAYTON, OH 45424
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VEHICLE SPECIFICATIONS SUMMARY - STARTABILITY

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs)	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs)	39000
Expected GCW (lbs)	0.0
Engine (101).....	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM
Torque at Clutch Engagement (lbs-ft)	500
Transmission (342).....	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Gear Ratio: Forward 1	3.49
Gear Ratio: Forward 2	1.86
Gear Ratio: Forward 3	1.41
Gear Ratio: Reverse 1	5.03
Gear Ratio: Reverse 2	N/A
Gear Ratio: Reverse 3	N/A
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Rear Axle (420)	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	6.14 REAR AXLE RATIO
Rear Tires (094)	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile	498
Vehicle Service (A85)	UTILITY/REPAIR/MAINTENANCE SERVICE
Startability Factor.....	8
Terrain (AA5).....	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
Startability Factor.....	0
Most Severe Grade Expected (AB1)	MAXIMUM 8% EXPECTED GRADE
Startability Factor.....	8
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
Startability Factor.....	0
Suggested Torque Converter Stall Ratio.....	1.77

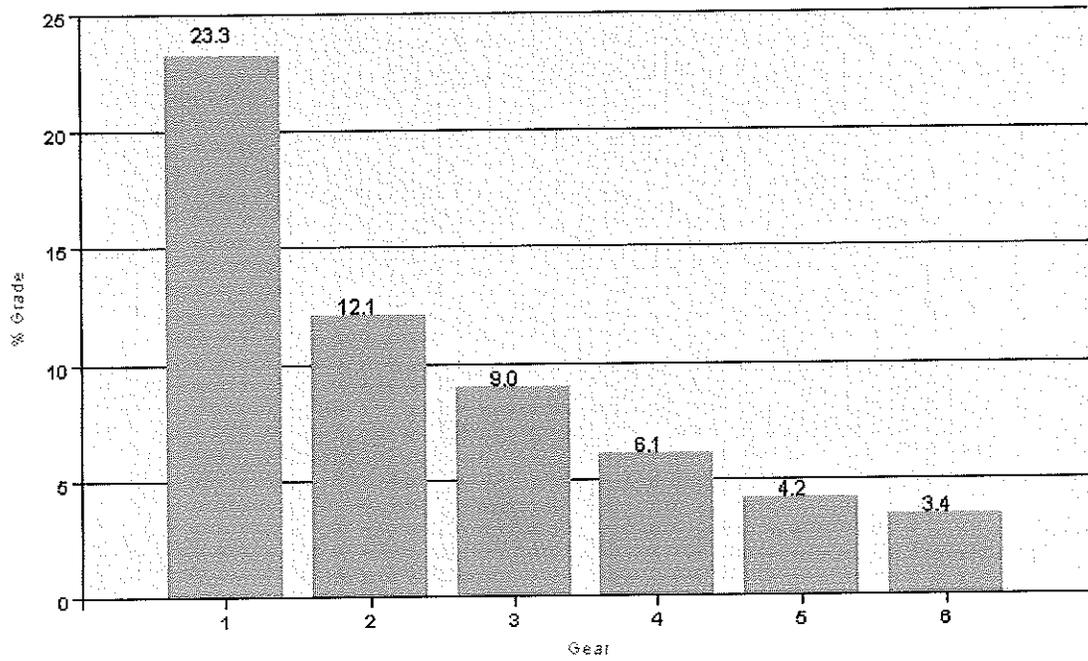
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GRADEABILITY



Desired Gradeability at Peak Torque = 0.5



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VEHICLE SPECIFICATIONS SUMMARY - GRADEABILITY

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Desired Gradeability at Peak Torque (%).....	0.5
Desired Gradeability at Cruise Speed(%).....	0.3
Desired Cruise Speed (mph)	65.0
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs)	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs)	39000
Expected GCW (lbs)	0.0
Engine (101).....	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM
Peak Torque (lbs-ft)	860
RPM at Peak Torque	1300
Peak Torque (Multi-torque High) (lbs-ft)	860
RPM at Peak Torque (Multi-torque High)	1300
Multi-torque.....	NO
Transmission (342).....	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Rear Axle (420)	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	6.14 REAR AXLE RATIO
Rear Tires (094)	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile	498
Trailer Width (in)	0.0
Trailer Height (ground to top) (ft).....	8.0
Body Width (in)	96.0
Body Height (ground to top) (ft).....	8.0
Roof Mounted Aero Device (784).....	NO AIR SHIELD OR BRACKETS
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
High Gear Ratio	N/A
Low Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
High Gear Ratio	N/A
Low Gear Ratio.....	N/A
Trailer Configuration (AA2).....	NO TRAILER SPECIFIED



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TABLE SUMMARY - GRADEABILITY

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	3.49	21.43	7.3	177.0	23.3
2	1.86	11.42	13.7	173.0	12.1
3	1.41	8.66	18.1	169.6	9.0
4	1.00	6.14	25.5	162.1	6.1
5	0.75	4.60	34.0	150.2	4.2
6	0.65	3.99	39.2	140.7	3.4
Desired Gradeability at Peak Torque			0.5		
Rear Axle Ratio			6.14		
Gross HP Available at Peak Torque			212		
RPM at Peak Torque			1300		
*Blue background represents value input by user.					

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	3.49	21.43	12.1	207.0	16.4
2	1.86	11.42	22.7	198.1	8.4
3	1.41	8.66	30.0	189.3	6.1
4	1.00	6.14	42.2	167.3	3.8
5	0.75	4.60	56.3	128.1	2.2
6	0.65	3.99	65.0	94.7	1.4
Desired Gradeability at Cruise Speed			0.3		
Desired Cruise Speed			65.0		
Rear Axle Ratio			6.14		
Gross HP Available at Cruise Speed			290		
RPM at Cruise Speed			2153		
*Blue background represents value input by user.					

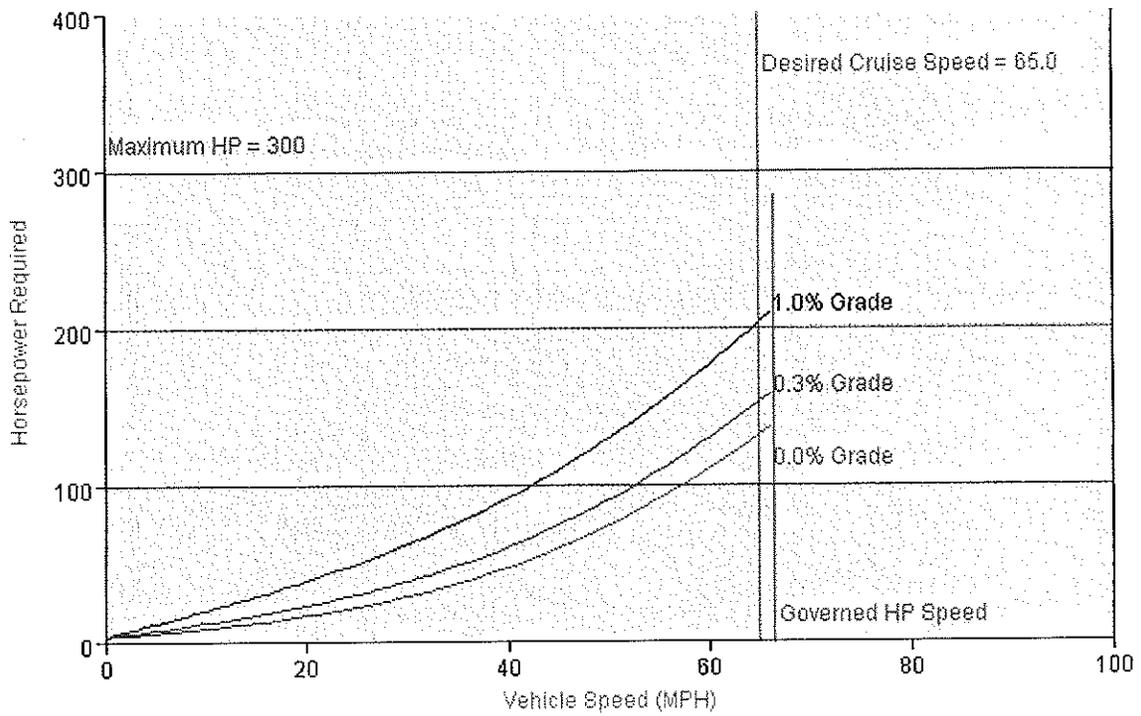
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SPEEDABILITY



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VEHICLE SPECIFICATIONS SUMMARY - SPEEDABILITY

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Desired Cruise Speed (mph)	65.0
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs)	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs)	39000
Expected GCW (lbs)	0.0
Engine (101).....	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM
Governed RPM.....	2200
HP at Governed RPM	285
RPM at Max HP	2000
Max HP.....	300
HP at Governed RPM (High Torque).....	285
RPM at Max HP (High Torque)	2000
Max HP (High Torque)	300
Multi-torque.....	NO
Transmission (342).....	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Rear Axle (420)	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	6.14 REAR AXLE RATIO
Rear Tires (094)	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile	498
Trailer Width (in)	0.0
Trailer Height (ground to top) (ft).....	8.0
Body Width (in).....	96.0
Body Height (ground to top) (ft).....	8.0
Roof Mounted Aero Device (784).....	NO AIR SHIELD OR BRACKETS
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
High Gear Ratio	N/A
Low Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
High Gear Ratio	N/A
Low Gear Ratio.....	N/A



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TABLE SUMMARY - SPEEDABILITY

Top Gear Speedability	At Max Power Speed	At Desired Cruise Speed
Top Gear Vehicle Speed (mph)	60.4	65.0
Engine RPM	2000	2153
Gross Power Available (HP)	300	N/A
Power (HP) Required for:		
Level Road	112	133
0.3% Grade	132	154
1.0% Grade	179	204

*Blue background represents value input by user.

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



Official

CERTIFICATE OF MEMBERSHIP

Beavercreek Township

Member #39869

This certificate entitles the entity named above the opportunity to purchase off of nationally, competitively solicited contracts. The entity will save time by using NJPA contracts, save money by leveraged volume pricing and obtain quality products from nationally acclaimed vendors.

Dr. Chad Coauette, PhD, Executive Director / CEO



Home > Cooperative Purchasing > Contracts - Fleet > Roadway Maintenance, Asphalt, Snow & Ice > Henderson Products Inc.



Henderson Products Inc.



Overview

Contract Documentation

Pricing

Marketing Materials

NJPA Contact Information

HOW TO PURCHASE ?
Our step-by-step guide

Contract#: 080114-HPI

Category: Roadway Maintenance, Asphalt, Snow & Ice

Description: Snow/Ice Removal Equipment & Accessories

Maturity Date: 10/21/2018

Henderson Products, Inc. is a leading manufacturer of heavy-duty truck equipment for the municipal and construction markets. With over 55 years of manufacturing and engineering excellence, Henderson has a wide variety of full-featured product lines: dump bodies, combination bodies, sand/salt spreaders, precision cast spinners, snow plows, hitches, wings, underbody scrapers, liquid application systems, live bottom bodies and professional grade brine making systems. Registered trademarks associated with Henderson Products, Inc. include: Henderson, MuniBody, SnowFoe, BlackBelt, First Response System & BrineXtreme. Sales, installation, service and parts may be coordinated through our nationwide distributor network (over 120 locations) or Henderson owned distribution centers.

Vendor Contact Info

Janet Tobin

Direct Phone: 563-927-7267

jtobin@hendersonproducts.com

www.hendersonproducts.com

Contract Award
RFP #080114

FORM D



Formal Offering of Proposal
(To be completed Only by Proposer)

SNOW AND ICE HANDLING EQUIPMENT WITH RELATED ACCESSORIES, SERVICES, AND SUPPLIES

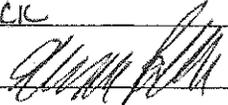
In compliance with the Request for Proposal (RFP) for SNOW AND ICE HANDLING EQUIPMENT WITH RELATED ACCESSORIES, SERVICES, AND SUPPLIES the undersigned warrants that I/we have examined this RFP and, being familiar with all of the instructions, terms and conditions, general specifications, expectations, technical specifications, service expectations and any special terms, do hereby propose, fully commit and agree to furnish the defined equipment/products and related services in full compliance with all terms, conditions of this RFP, any applicable amendments of this RFP, and all Proposer's Response documentation. Proposer further understands they accept the full responsibility as the sole source of responsibility of the proposed response herein and that the performance of any sub-contractors employed by the Proposer in fulfillment of this proposal is the sole responsibility of the Proposer.

Company Name: HENDERSON PRODUCTS INC Date: AUG 6 2014

Company Address: 1085 SOUTH 3RD STREET PO BOX 40

City: MANCHESTER State: IA Zip: 52057

Contact Person: GLENN BECK Title: VP SALES & MARKETING

Authorized Signature (ink only):  GLENN BECK
(Name printed or typed)

Form F



Contract Acceptance and Award

(To be completed only by NJPA)

NJPA 080114 SNOW AND ICE HANDLING EQUIPMENT WITH RELATED ACCESSORIES, SERVICES, AND SUPPLIES

HENDERSON PRODUCTS, INC.
Proposer's full legal name

Your proposal is hereby accepted and awarded. As an awarded Proposer, you are now bound to provide the defined product/equipment and services contained in your proposal offering according to all terms, conditions, and pricing set forth in this RFP, any amendments to this RFP, your Response, and any exceptions accepted or rejected by NJPA on Form C.

The effective start date of the Contract will be October 21, 20 14 and continue for four years from the board award date. This contract has the consideration of a five year renewal option at the discretion of NJPA.

National Joint Powers Alliance (NJPA)

NJPA Authorized signature:

NJPA Executive Director

Dr. Chad Crowette

(Name printed or typed)

Awarded this

21st

day of

October

, 20 14

NJPA Contract Number # 080114-HPI

NJPA Authorized signature:

NJPA Board Member

Scott Vernon

(Name printed or typed)

Executed this

21st

day of

October

, 20 14

NJPA Contract Number # 080114-HPI

Proposer hereby accepts contract award including all accepted exceptions and NJPA clarifications identified on FORM C.

Vendor Name Henderson Products Inc

Vendor Authorized signature:

Glenn Beck

(Name printed or typed)

Title: VP Sales & Marketing

Executed this

23rd

day of

October

, 20 14

NJPA Contract Number # 080114-HPI



BEAVERCREEK TOWNSHIP
ATTN: TIM PARKS

2016 SINGLE AXLE EQUIPMENT QUOTE

REVISED 10/27/16

***HENDERSON PRODUCTS-OH IS PLEASED TO PROVIDE YOU WITH THE
FOLLOWING QUOTE***

*HENDERSON PRODUCTS IS A DIVISION OF HENDERSON MANUFACTURING AND THUS ALLOWS US
THE ABILITY TO FOCUS ON A SPECIFIC PRODUCT LINE, HENDERSON. OUR OHIO FACILITY ONLY
INSTALLS HENDERSON PRODUCTS AND THEREFORE WE ARE ABLE TO OFFER A SUPERIOR
INSTALLATION AND SERVICE TO OUR CUSTOMERS.*

SNOW PLOW

- **HENDERSON MODEL RSP 10'x 42" REVERSABLE SNOW PLOW**
- TRIP EDGE MOLDBOARD WITH ADJUSTABLE MOLDBOARD ATTACK ANGLE
- ENTIRE PLOW IS CONTINUOUSLY WELDED
- (5) COMPRESSION TYPE TRIP SPRINGS WITH 5 POSITION ADJUSTMENT
- 8 FULL LENGTH VERTICAL RIBS CONTINUOUSLY WELDED
- INTEGRAL SHIELD MOLDBOARD FOR REDUCED BLOW BACK
- 4"x4"x3/8" STEEL TUBE PUSH FRAME FOR ADDED STRENGTH
- 4"x4"x3/4" FULLY GUSSETED BOTTOM ANGLE
- 4"x2"x10" NITRIDED DOUBLE ACTING REVERSING CYLINDERS WITH COMPRESSION RELIEF VALVE (SAME AS LIFT CYLINDER ON HITCH)
- RUBBER SNOW DEFLECTOR WITH STAINLESS BACKER BAR AND PLOW MARKERS
- 5/8"x8"x10' STANDARD HIGHWAY PUNCH CUTTING EDGE
- MOLDBOARD AND PUSH FRAME POWDERCOATED MATTE BLACK
- PARKING JACK
- PIN AND LOOP HITCH RING WITH OSCILLATOR BAR ALLOWING PLOW TO CONFORM TO THE ROAD
- BUILT IN LEVEL-LIFT WITH NO MOVING PARTS
- INSTALLED

SNOW PLOW HITCH

- **HENDERSON MODEL HFF-LP-QCP FRONT FRAME SNOW PLOW HITCH**
- HENDERSON PIN AND LOOP QUICK HITCH
- HENDERSON FULL 5/8" STEEL SIDE PLATES MOUNTED FLUSH TO THE FRAME FOR MAXIMUM STRENGTH
- LIFT BEAM FOLDS FLAT WHEN NOT IN USE
- FACTORY BUMPERS REINSTALLED
- 5 POSITION TELESCOPING LIFT ARM
- 4" DOUBLE ACTING NITRIDED LIFT CYLINDER TO MATCH PLOW ANGLE CYLINDERS
- BUILT IN LEVEL LIFT WITH NO MOVING PARTS
- PAINTED AND INSTALLED
- SNOW PLOW HITCH INSTALLED 100% TO YOUR SPECIFICATIONS-NO EXCEPTIONS

CENTRAL HYDRAULIC SYSTEM

- **FORCE AMERICA LOAD SENSE HYDRAULIC SYSTEM**
- “HOT SHIFT” PTO
- FORCE AMERICA 5100EX ELECTRIC SPREADER CONTROLLER
- FORCE AMERICA VALVE ENCLOSURE WITH 35 GALLON OIL TANK
- DUAL AXIS AIR CONTROLS FOR PLOW, AIR LEVER FOR HOIST (PEDESTAL MOUNT)
- HENDERSON STEEL FLOOR PLATE
- ALL WEATHERHEAD”RHINO-GUARD” HOSES AND FITTING WITH STAINLESS STEEL QUICK COUPLERS-REAR QUICK COUPLERS TO BE MOUNTED IN REAR CORNER POST OF BODY
- ALL PRESSURE HOSES SAE 100R2
- ALL FITTINGS JIC STYLE
- MID-STATE STAINLESS STEEL REAR HYDRAULIC TUBES MOUNTED WITH POLY BUSHINGS-FLARED FITTINGS, NO COMPRESSION FITTINGS
- MID-STATE STAINLESS STEEL FRONT HYDRAULIC TUBES MOUNTED WITH POLY BUSHINGS-FLARED FITTINGS, NO COMPRESSION FITTINGS
- HYDRUALIC SYSTEM TO BE FULLY TESTED AND PROPERLY CALIBRATED
- INSTALLED 100% TO YOUR SPECIFICATIONS-NO EXCEPTIONS

DUMP BODY

- **HENDERSON MODEL MARK E 10’ STAINLESS STEEL DUMP BODY**
- CROSSMEMBERLESS FLOOR-UNIBODY DESIGN
- ENTIRE BODY IS CONTINUOUSLY WELDED
- SLOPED LOWER MATERIAL SHEDDING RUB RAIL.
- 10’ LONG
- 7’ WIDTH
- 30” SIDES
- 38 ” AIR LATCH TAILGATE
- NO COAL DOOR IN TAILGATE
- DOUBLE WELD ON BRACES ON TAILGATE
- 1/4” AR400 STEEL FLOOR 200,000 PSI TENSILE STRENGTH
- SLOPED BOX TOP RAIL 4”x5” SEAMLESS AND BOXED
- SINGLE WELD ON SIDE BRACE
- 5” SIDE TO FLOOR RADIUS-FORMED NOT WELDED
- ONE PIECE FRONT CORNER POST 7 GAUGE STAINLESS STEEL
- 22”X86” CONTINUOUSLY WELDED STAINLESS STEEL FULL CAB SHIELD
- HENDERSON POWDERCOATED STEEL PULL OUT LADDER WITH 2 STEPS ON DRIVERS SIDE
- 1 ½” STAINLESS STEEL GRIP STRUT WALK RAIL ON BOTH SIDES OF BODY
- (2) 17” STAINLESS GRAB HANDLES
- GRIP STRUT INSIDE STEP WELDED INSIDE DUMP BODY ON DRIVERS SIDE
- ALL LED FMVSS # 108 MARKER LIGHTS
- INSTALLED AND NOT PAINTED

HOIST

- **HENDERSON MODEL CS FRONT TELESCOPIC HOIST**
- 29 TON CAPACITY
- FULL DOUBLE ACTING (POWER UP/POWER DOWN)
- GREASABLE PIVOTS-ZERKS ON ALL PINS
- 9" MOUNTING HEIGHT
- 6"x8"x1/2" STRUCTURAL ANGLE WITH 2" 303 STAINLESS STEEL PINS
- GREASEABLE REAR PINS
- INSTALLED
- BODY AND HOIST INSTALLED 100% TO YOUR SPECIFICATIONS-NO EXCEPTIONS

ELECTRICAL SYSTEM

- **WHELEN LED SYSTEM**
- WHELEN R1 AMBER LIGHT BAR MOUNTED ON CAB ROOF WITH STAINLESS MOUNTING PLATE
- (2) LED AMBER OVAL STROBE LIGHTS CUT INTO REAR POST
- (2) LED OVAL STOP/TAIL/TURN CUT INTO REAR POST
- 4" LED SPREADER LIGHT
- MODEL SK-10 BODY UP LIGHT
- WHELEN BACK UP ALARM
- ALL ONE PIECE WIRING FROM POWER SOURCE TO ELECTRICAL ITEM
- ALL WIRING RIGID MOUNTED ON STAINLESS STEEL AND ZIP TIED EVERY 8"
- ALL WIRING WILL BE PROPERLY RUN TO AVOID SHARP EDGES AND PINCH POINTS
- ALL WIRING WILL BE PROPERLY FUSED WITH NO BUTT JOINTS OR SPLICES
- FACTORY REAR CHASSIS LIGHTS TO BE REINSTALLED OUTSIDE OF PINTLE PLATE
- HENDERSON PDP POWER DISTRIBUTION CENTER
- ALL LED FMVSS # 108 MARKER LIGHTS
- SNOW PLOW LIGHTS WITH STAINLESS STEEL BRACKETS MOUNTED TO HOOD
- ALL ONE PIECE WIRING WITH COPY OF WIRING SCHEMATIC

SPREADER

- **HENDERSON MODEL RTS 304 STAINLESS STEEL REPLACEMENT TAILGATE SPREADER**
- 6" AUGER- DIRECT DRIVE
- 1/4" END PLATES
- EASY EMPTY CLEAN OUT PAN PROVIDES ACCESS TO THE AUGER
- 18" POLY SPINNER DISC
- ALL 304 STAINLESS STEEL MOUNTING HARDWARE
- INSTALLED 100% TO YOUR SPECIFICATIONS-NO EXCEPTIONS

PRE WET SYSTEM

- **HENDERSON MODEL PWS-E PRE WETTING SYSTEM**
- 75 GALLON FRAME MOUNTED TANK
- 3 GPM ELECTRIC PUMP
- PRE WET SYSTEM TO BE CONTROLLED THROUGH FORCE 5100EX SPREADER CONTROLLER
- VARIABLE ORIFICE SPRAY HOSE ON SPINNER PLATE
- TESTED AND INSTALLED

PINTLE PLATE

- ¾" PINTLE PLATE TRIPLE WELDED AND GUSSETED
- (2) 1" D RINGS
- 20 TON PINTLE HOOK
- 7 WAY TRAILER PLUG

MISCELLANEOUS

- CHROME EXHAUST ELBOW
- WOOD SIDE BOARDS PAINTED COLOR OF YOUR CHOICE
- FLEET ENGINEERING POLY FENDERS WITH STAINLESS STEEL BRACKETS
- STAINLESS STEEL SHOVEL HOLDER ON DRIVER AND PASSENGER SIDE
- HENDERSON QUICK RELEASE FULL REAR MUD FLAPS
- RED & WHITE REFLECTIVE TAPE BOTH SIDES AND TAILGATE
- CHASSIS AND UNDERSIDE OF BODY WILL BE UNDERCOATED

TOTAL PACKAGE PRICE \$58,990.00

INSTALLATION AND WARRANTY

- **2 FULL YEAR WARRANTY ON ALL EQUIPMENT**
- ALL MOUNTING TO BE 100% TO YOUR SPECIFICATIONS-NO EXCEPTIONS
- PRE-BUILD MEETING AT OUR FACILITY REQUIRED PRIOR TO START OF BUILD
- HENDERSON TRUCK EQUIPMENT WILL HANDLE ALL TRANSPORTATION AND REPAIRS TO VEHICLE FOR WARRANTY AND SERVICE WORK IN A TIMELY MANNER
- ALL EQUIPMENT WILL BE INSTALLED BY A SINGLE BODY COMPANY BY OUR EMPLOYEES AT OUR FACILITY.
- ALL EQUIPMENT IS ENGINEERED BY A SINGLE MANUFACTURER, HENDERSON PRODUCTS INC.
- INSTALLATION OF COMPONENTS WILL NOT BE SUBCONTRACTED BY THE BODY COMPANY TO OTHERS
- NO WELDING TO BE DONE ON CHASSIS FRAME BETWEEN FRONT OF MOST FORWARD SPRING HANGER AND REAR OF REARMOST SPRING HANGER.
- COPY OF CENTRAL HYDRAULIC SYSTEM SCHEMATIC WILL BE FURNISHED UPON COMPLETION
- COPY OF WIRING SCHEMATIC WILL BE FURNISHED UPON COMPLETION
- PARTS AND SERVICE MANUALS FOR ALL COMPONENTS WILL BE FURNISHED UPON COMPLETION
- VEHICLE TO BE CERTIFIED TO MEET ALL FEDERAL MOTOR VEHICLE SAFETY STANDARDS
- HENDERSON TO CONDUCT OPERATOR TRAINING SESSION AT YOUR FACILITY AFTER DELIVERY OF COMPLETED TRUCK
- SNOW AND ICE CONTROL REFERENCES AVAILABLE UPON REQUEST

HENDERSON PRODUCTS-OHIO
PAUL SACKETT-OHIO SALES REP
 937-710-3362 CELL
 PSACKETT@HENDERSONPRODUCTS.COM

CONTRACT ACCEPTANCE: _____ DATE: _____

TITLE: _____ PURCHASE ORDER #: _____



HENDERSON PRODUCTS – OH
NJPA CONTRACT HOLDER/CONTRACT #080114-HPI

• PH: 419-617-7509 • FAX: 563-927-7002 • hendersonproducts.com

BI-WEEKLY ACTIVITY REPORT FOR ROAD/MAINTENANCE DEPARTMENT

November 17, 2016

Calls for Service:

- Stop sign down April Lane- 6 hours

Training:

- Training on grade able laser- 2 hours

Accomplishment/Information:

- Assisting Finance as needed
- Attended meeting with Administrator on park consolidation
- Attended special Trustees meeting for park consolidation
- Attended City work session for park consolidation
- Attended meeting with developer and contractor in Wood Ridge- drainage issues
- Attended staff meeting
- Checking on Library roofing contractors- DuroLast inspection passed warranty issue
- Continued working on 2017 Budget
- Completed Trustee packet for November 21
- Reviewed several driveway permits
- Checking on developments- A great deal of time has been spent in the active sites on inspection
 - Bexley Hills 3A- Walk though for 100% punch list- work continues slowly
 - Bexley Hill 3B- Emergency access completed, awaiting street signs
 - Spring Ridge 3B-Checking on erosion control
 - Wood Ridge section 1- Working with developer on bond/maintenance release
 - Clairborne Greens 2B- checking on erosion control
 - Clairborne Green 3- Finished water, sewer, storm sewer, and under drain installation , proof roll passed, awaiting curb and asphalt
 - Spring Meadows section 5- checking on erosion control
 - Nathans Grove – working on sewer
 - River Reserve- base and intermediate asphalt in place, completed off site sewer connections, working on road widening- should be finished November 17
- Began crack fill and patch sealing
- Continued switching trucks over for winter operations should be completed November 18
- Delivered 25 tons of salt to CCN
- Took delivery of 225 tons of salt
- Working on leaf pick up at Library
- Continued mowing Township Facilities

Awareness Items:

- LED project- all building are completed except for special order item - still awaiting parts-anticipated completion early December
- Ladder 62 awaiting parts –should be completed early next week
- Received County Engineers grant for \$2989.40 for under drain and curb repair

To: **Alex Zaharieff, Township Administrator**
 From: **David VandenBos, Fire Chief**
 Date: **2016-11-17**
 Re: **Fire Department Agenda Items for 2016-11-21 Biweekly Trustees' Meeting**

- 1) **Request to Surplus Property that is Not Needed, Obsolete or Unfit for Use**
 - 2) **Request to Purchase Fire Helmet Shields**
 - 3) **Request to Purchase a replacement Medic Unit**
 - 4) **Biweekly Activity Report**
-

1) **Request to Surplus Property that is Not Needed, Obsolete or Unfit for Use**

- 1.1) The fire department is requesting the Board pass the attached resolution [[Attachment 01.00](#)] declaring the items in the inventory report [[Attachment 01.01](#)] surplus for the indicated reasons and authorize the fire department to dispose of the items in accordance with Township policy and practice.

2) **Request to Purchase Fire Helmet Shields**

- 2.1) The Fire Department is requesting approval for the purchase of replacement fire helmet shields from the Fire Store at a total cost of \$3,750.00.

2.2) This request fills a current need.

2.3) This proposal provides Blue Card compliant visual indication of crew and apparatus assignment as required by OAC §4123:1-21-07(A) and (B).

2.4) This expense is included in the 2016 Fire Department budget:

Cost Center/Program Area: **Fire Gear** (5712)

Object Code: **Machinery, Equipment and Furniture** (740)

Fire Department 2016 Budget, page 55

2.5) The existing accountability system relies on plastic identification tags that are left on passports in the fire apparatus and used at the command post. These tags identify the person's name and unit number, while the passport identifies the apparatus that the crew is assigned to. Through the implementation of the Blue Card incident management system, it was identified that it was difficult to identify personnel and their crew assignment while inside the hazard zone. The requested system will allow directly for that identification by utilizing the leather shield on the existing helmet to hold an apparatus identification tag. This tag is placed on the helmet while riding to the incident in the apparatus and is held on by high temperature Velcro that is stitched into the leather. This tag visually identifies which crew a firefighter belongs to without removal of any protective equipment.

Additionally these leather helmet shields are not person specific as our existing shields are which will make them reusable between employees.

This purchase is for 69 leather helmet shields that come with the apparatus identification



tags. The pricing per shield is unchanged by rank and title so the total purchase would be distributed as per authorized staffing.

2.6) Quotations:

2.6.1) The Fire Store [[Attachment 02.061a](#)] and Phoenix Safety Outfitters [[Attachment 02.061b](#)]

2.6.2) Only the above two vendors responded to the Fire Department's requests for quotes.

2.6.3) n/a

2.7) Specifications

2.7.1) [[Attachment 02.061a](#)]

2.7.2) n/a

2.8) Other Cost Considerations

2.8.1) Expected item life span is dependent upon use and exposure, from 1-10 years.

2.8.2) n/a

2.8.3) n/a

2.8.4) Estimated Depreciated (Units of Activity) Cost: n/a

2.9) Disposal: Existing helmet shields are Beaver Creek Township Fire Department specific and are not reusable, and they will be directly disposed of upon a properly approved surplus resolution.

2.10) I make a motion to approve the following:

Purchase Request 07551 to The Fire Store for 69 Leather Helmet Shields in the amount of \$3,750.00 and to authorize the Township Administrator to sign for the Board.

3) Request to Purchase a replacement Medic Unit

3.1) The Fire Department is requesting approval for the purchase of a replacement medic unit and required equipment from Burgess Hearse and Ambulance Sales at a total cost of \$246,407 and a land-mobile radio and data modem from Motorola Solutions at a total cost of \$11,000.

3.2) This budgeted request fills a current need, replacing MED61, an 8-year old unit, which received a *POOR* rating (score of 28 or more) with a score of 33 in the Fleet Replacement Ratings Schedule (Fire Department 2016 Budget, p.50).

3.3) This replacement unit is required to continue the Department's mission of emergency medical services. The medic will meet the requirements of United States General Services Administration specification KKK-A-1822F and NFPA 1917, Standard for Automotive Ambulances (2013 ed.).

3.4) This expense is included in the 2016 Fire Department budget:

Cost Center/Program Area: **Apparatus** (5600)

Object Code: **Vehicles** (750)

Fire Department 2016 Budget, page 51



- 3.5)** In accordance with Recommendation #32 of the Township’s 2014 Performance Audit, the Department established a fleet condition evaluation and replacement methodology to evaluate the Department’s fleet, including medic units, with a standardized system to track the operational conditions, as well as the overall condition of the units.

This purchase will bring replace the Department’s only remaining front-line medic with a *POOR* (needs priority replacement) rating. Medic units accounted for 47% of total unit responses during the 2016 Standards of Cover study period, and were dispatched on 82%, or 22,410, of the Department Calls for Service during those five years.

The Department has made a number of specification changes for this (and future) unit purchases. The requirements for the scene and emergency lighting were changed to remain NFPA compliant. These changes include LED scene and load lights being added in place of the original halogen lights. This replacement will increase safety for the medic crews and patients when responding as a single unit at night as well as providing adequate lighting on the scene. The significant specification change is to utilize “Smart-Tint” window privacy film. This product applied to the rear windows will allow crews to maintain patient privacy in the patient care compartment. Crews have reported that the current window tinting is ineffective when it is dark outside and the lights are on inside.

Additionally, the Department has made a change to the acquisition process. For previous purchases, the Medic was delivered without installation of key electronic equipment (e.g. radios) and striping. These items were then added by secondary vendors for the Township. This unit will be delivered with all components factory installed and applied, and will allow the unit to go in-service, once stocked, upon delivery.

3.6) Quotations:

- 3.6.1)** Burgess Hearse & Ambulance Sales [[Attachment 03.061a](#)]
Motorola Solutions [[Attachment 03.061b](#)]
- 3.6.2)** Ohio State Term Schedule (STS)
- 3.6.3)** Burgess: STS-800272
Motorola: STS-573077-0

3.7) Specifications

- 3.7.1)** [[Attachment 03.07](#)]
- 3.7.2)** n/a

3.8) Other Cost Considerations

- 3.8.1)** Estimated life span is very dependent upon use, but is expected to be approximately 8-years (10,000 engine hours or 150,000 miles).
- 3.8.2)** n/a
- 3.8.3)** n/a
- 3.8.4)** Estimated Depreciated (Units of Activity) Cost: n/a

- 3.9)** Disposal: A review of the fleet replacement scores will be conducted upon receipt of the replacement medic the unit with the lowest score will be designated for surplus. This will



include a review of the flat-bed utility unit for possible disposal and replacement by the lowest scoring medic unit.

3.10) I make a motion to approve the following:

Purchase Request 08393 to Burgess Hearse and Ambulance Sales for one medic unit in the amount of \$246,407.00

and to authorize the Township Administrator to sign for the Board.

I make a motion to approve the following:

Purchase Request 08392 to Motorola Solutions for one mobile radio and one data modem in the amount of \$11,000.00

and to authorize the Township Administrator to sign for the Board.



4) Biweekly Activity Report

- 4.1) Senior Staff Meeting:** Senior staff met to discuss items of interest and concern, including planning for changes resulting from the Standards of Cover recommendations.
- 4.2) Open Department Meeting:** The department met to discuss items of interest and concern, including the upcoming changes resulting from the Standards of Cover recommendations.
- 4.3) Pharmacy Board Inspection:** Two action items from the State Pharmacy Board inspection are complete, and the other two are in process. Operations Chief Dorsten provided the State with an update on 2016-10-24.
- 4.3.1)** Signed Protocols and Drug Licenses at each fire station (complete).
- 4.3.2)** Securing storage of meds, including IV solutions, on all apparatus (locks currently being installed by maintenance).
- 4.3.3)** Securing storage of spare meds inside of secured storage rooms (locks scheduled for delivery on 2016-11-20).
- 4.3.4)** Documentation of trans-filling oxygen cylinders from H-cylinders to D-cylinders (complete).
- 4.4) Labor-Management Meeting:** The monthly meeting was cancelled due to a lack of agenda items.
- 4.5) 2017 Budget:** Program budget requests have been submitted, and the budget document is being prepared for submittal to the Township Administrator.
- 4.6) Blue Card Training:** The final Blue Card training was completed, with all personnel now Blue Card certified.
- 4.7) PSISN Semi-Annual Meeting:** The PSISN Executive Board held its required semi-annual meeting. Recommended changes to the Bylaws were approved. A subcommittee, including Fire Chief VandenBos and Police Chief Evers was formed to begin the process for requirements and specification development and researching possible alternatives to NWS.
- 4.8) Statistics Training:** The department held its regular, monthly stats training. The group began development of a performance monitoring dashboard for department activity.
- 4.9) Explorer Meeting:** The fire department held its kickoff meeting for the new Explorer post. Two interested students attended, as well as all of the required adult staff. The Boy Scouts will allow the post to begin, with the Charter pending the required 5 students. The first meeting is scheduled for November.

Public Outreach: The fire department had non-incident contact with the community at the following events:

Station 61	BHS Amazing Race, station tour
Station 61	Ride-along, college student
Station 61	Mom's group, station tour
Station 61	Girl Scout Leaders, CPR/First Aid



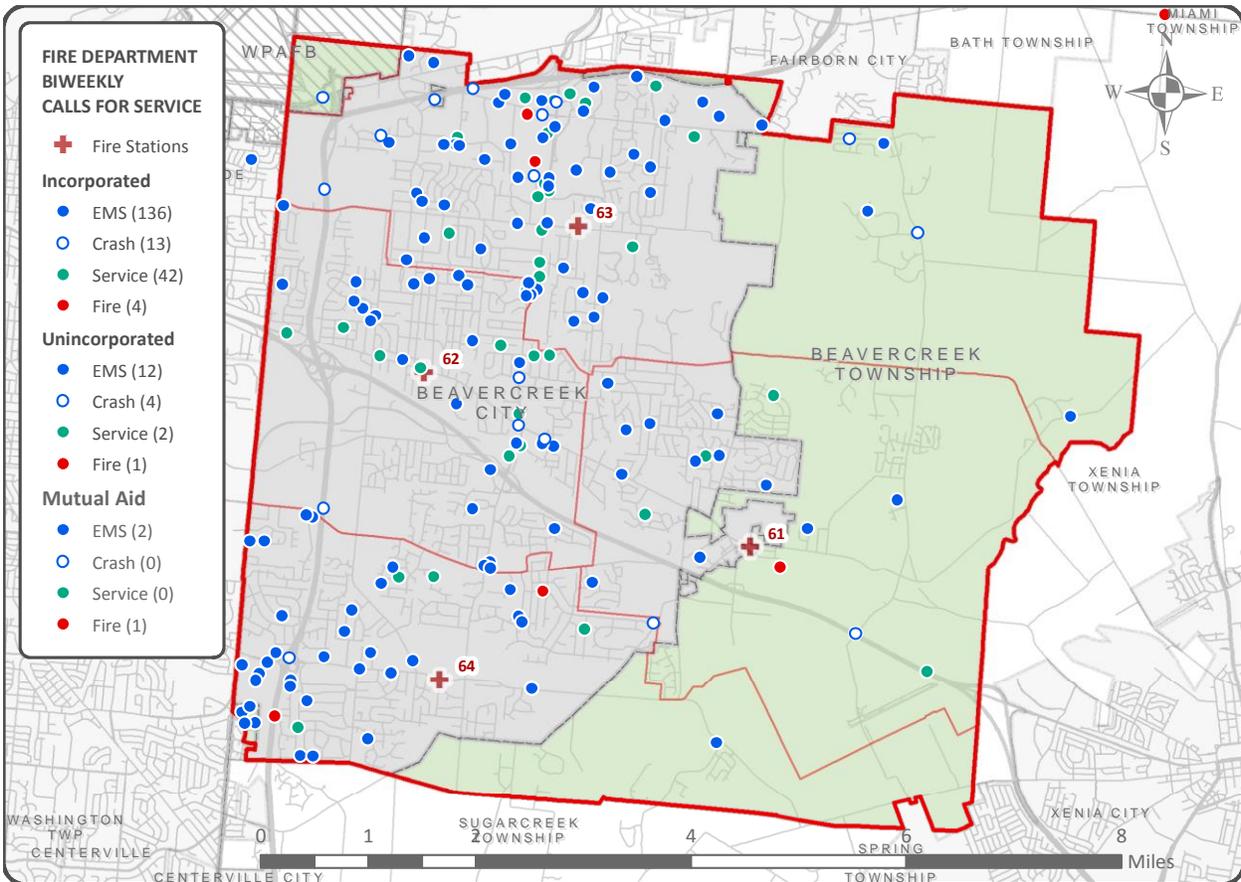
Station 63 Veterans Day Ceremony, medic standby
Station 61 Medic Ride-along, paramedic student
Station 61 School Bus Drivers, CPR/First Aid
Station 64 Boy Scout Lego Club, first aid demo
Station 64 Boy Scouts, fire safety talk



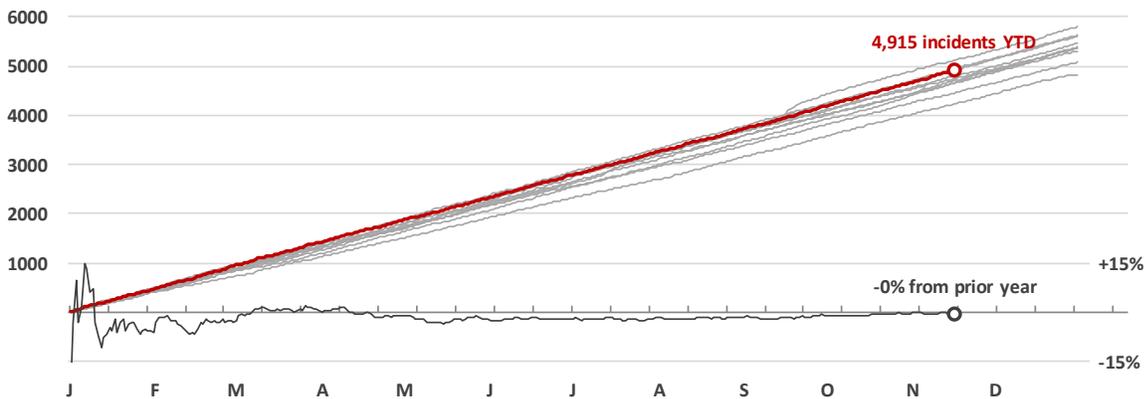
4.10) Biweekly Incident Activity

Biweekly Calls for Service Activity Report: Incorporated and Unincorporated

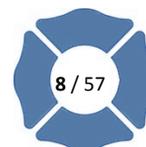
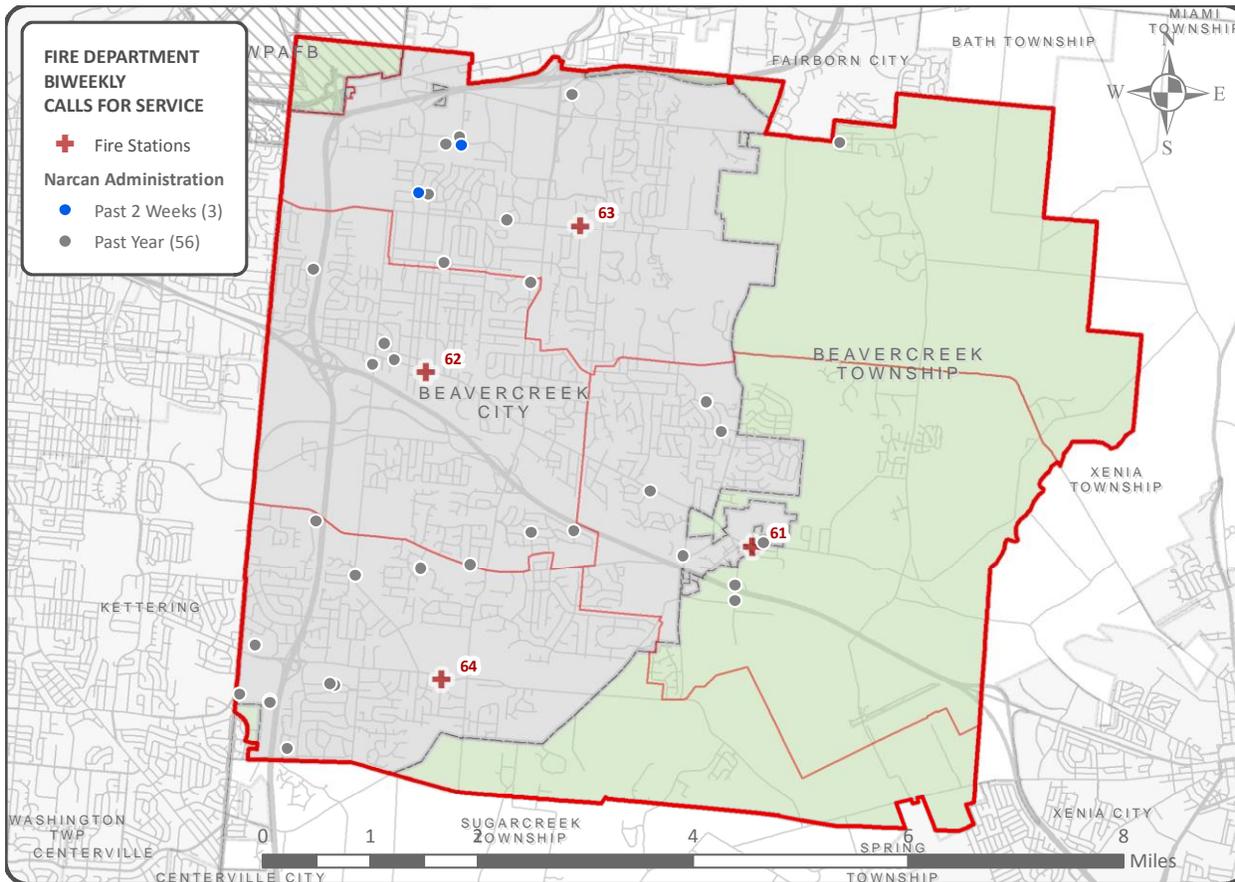
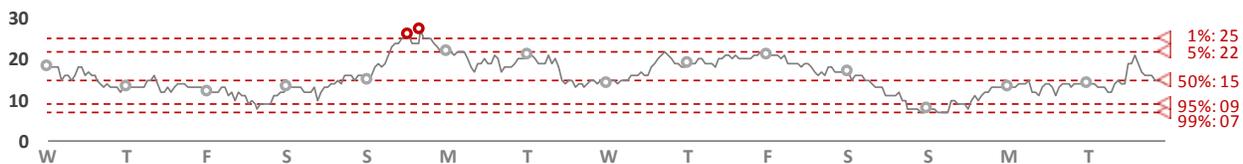
Call for Service Type	History Trend	Inc Uninc		10-Year over Year					YTD Projected		
		0	50	100	150	200	250				
3: Medical		136	15						3,965	3,631	+8%
7: False Alarm		16	0						348	317	+5%
3: Crash		13	4						350	313	+1%
6: Good Intent		8	3						290	271	+9%
5: Service		8	1						132	125	+3%
4: Hazard		7	0						126	115	+6%
1: Fire		4	2						103	96	+2%
2: Explosion		0	0						10	7	-31%
8: Severe Weather		0	0						1	1	-12%
9: Special		3	0						40	39	-2%
Total		195	25						5,365	4,915	+7%



There have been 4,915 incidents this year, which is -0% from this time last year



The past two weeks were 02% slower than average, with 0 hours slower than 99%, and 2 hours busier than 99% of the year.



Biweekly Training Activity Report

Training Type	Biweekly History Trend Current	0	250	500	750	1,000	10-Year over Year History	YTD	
EMS	 ▼ 164	27.9%						2,460	2,388
Firefighting	 ▲ 5	0.8%						1,035	995
Driver/Operator	 ▲ 7	1.2%						1,204	1,099
Rescue	 ▲ 1	0.2%						1,286	1,107
Officers	 ▲ 14	2.4%						1,475	1,400
Daily Drills	 ▲ 10	1.7%						571	553
Haz-Mat	 ▼ 13	2.1%						462	120
NIMS	 ▼ 372	63.4%						2,854	2,849
Fire Prevention	 ▲ 2	0.3%						48	48
Instructors	 ▼ 0	0.0%						38	38
Dispatch	 ▷ 0	0.0%						20	20
Total	 ▼ 586	100.0%						11,451	10,616



Attachment 01.00

The Board of Trustees of Beaver Creek Township, of Greene County, Ohio, met at a duly called and authorized meeting of the Board of Trustees of Beaver Creek Township on the date set forth above, such meeting being duly called pursuant to a notice stating the time, place and purpose of the meeting received by all Beaver Creek Township Board members, and the following resolution was made, seconded, and adopted by those present at the meeting.

WHEREAS, the Ohio Revised Code §505.10(A) authorizes the Board to determine when property, equipment, and tools are not needed for public use, obsolete or are unfit for the use for which they were acquired; and

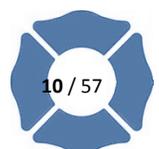
WHEREAS, the Board is also authorized to sell, or otherwise dispose of, that property in accordance with that section of the O.R.C.; and

WHEREAS, the Board accepts the Fire Chief's recommendation for disposition of the inventory listed in the attached Surplus Report **#85140**, dated 2016-11-17.

NOW, THEREFORE, BE IT RESOLVED that the Board of Beaver Creek Township Trustees, hereby declare the listed items as surplus for their listed reason; and

FURTHER, BE IT RESOLVED that the Fire Chief is authorized to sell those items, or otherwise dispose of them, in accordance with Township policy and practice; and

FURTHER, BE IT RESOLVED that any proceeds resulting from the sale or disposition of that equipment be credited to the Fire Fund (2192).



Attachment 01.01



Beavercreek Township Fire Department

Inventory ID In

BTFD Surplus Items for Trustees

Report ID	Inventory ID Serial Number	Qty	Description Make/Model	Purchased Reason for surplus	Surplused	Service Length
1	001532 WTW55405Q	0	Washer, Crew	Unfit for use	10/11/2016	
2	001410	0	Ice Machine	Unfit for use	10/20/2016	
3	004410	1	"Headset, Wired"	Unfit for use	11/15/2016	
4	001719 23Z90B1	1	Computer, Tower	Unfit for use	11/15/2016	
5	005857 G2Z90B1	1	Computer, Tower DELLDCSM	Unfit for use	11/15/2016	
6	001213	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
7	001214	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
8	001215	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
9	001216	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
10	001217	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
11	001218	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
12	001219	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
13	001220	1	Cylinder, Cascade	Not needed for public use	11/15/2016	
14	007169 1GCHG35R5Y	1	IT Van, Chevy (2000) CHEVYG31405	Not needed for public use	11/15/2016	
15	005435 9809263	1	Radio, Portable (M/A Com LPE 200 800MHz) MACOMLPE 200	Unfit for use	11/15/2016	
BTFD Surplus Items for Trustees			NHiester	11/15/2016	Report Number:	85140

The items listed in this report were declared unneeded, obsolete, or unfit-for-use for fire department purposes in accordance with ORC 505.10(A), in Resolution number _____.



Attachment 02.061a

Cart - TheFireStore

Page 1 of 4

Only one coupon code per transaction is permitted.

Hello, Guest! [Login](#) [Register](#) 69 Item(s) [Check Out](#)
\$3683.91

ORDER STATUS WISH LIST BULK PRICING

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SHOPPING CART



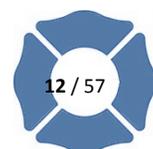
[Continue Shopping](#)

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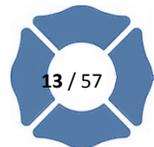
PRODUCT NAME	QTY	PRICE EA.	SUBTOTAL	REMOVE
 <p>Bicibi Project (Bullid ID 2891e64e-fb40-4d78-8477-068f088db068)</p> <p>BIGBI Item SKU:FS6212 Product: Morning Pride BEH 2 Low Rider(Holes punched)</p> <p>Hologram: Leather Prints Type 4 -Decals Style: FS6212 Leather Color Image: Black Leather (FS6212) [ImageID 2233] Passport Color Image: Black Leather (FS6212) [ImageID 2240] Thread Color Image: Black (FS6212) [ImageID 2267] Panel Color Image: Black (FS6212) [ImageID 1587] Line 1 Text: BEAVERCREAK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: White-Reflective Center Body Characters Text: E-61 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: FIREGUARDIAN Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: White-Reflective Notes:</p>	<input type="text" value="62"/>	\$53.39	\$3310.18	<input type="checkbox"/>
 <p>Bicibi Project (Bullid ID 83ee0d68-88f6-4b1b-8b3b-fb54887f416e)</p> <p>BIGBI Item SKU:FS6212 Product: Morning Pride BEH 2 Low Rider(Holes punched)</p> <p>Hologram: Leather Prints Type 4 -Decals Style: FS6212 Leather Color Image: Black Leather (FS6212) [ImageID 2233] Passport Color Image: Black Leather (FS6212) [ImageID 2240] Thread Color Image: Black (FS6212) [ImageID 2267] Panel Color Image: Red (FS6212) [ImageID 1903] Line 1 Text: BEAVERCREAK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: White-Reflective Center Body Characters Text: E-61 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: LEUTENANT Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: White-Reflective Notes:</p>	<input type="text" value="1"/>	\$53.39	\$53.39	<input type="checkbox"/>
 <p>Bicibi Project (Bullid ID 211f5e90-b0e6-4804-b8e2-8eda08ef8808)</p> <p>BIGBI Item SKU:FS6212 Product: Morning Pride BEH 2 Low Rider(Holes punched)</p> <p>Hologram: Leather Prints Type 4 -Decals Style: FS6212 Leather Color Image: Black Leather (FS6212) [ImageID 2233] Passport Color Image: Black Leather (FS6212) [ImageID 2240] Thread Color Image: Black (FS6212) [ImageID 2267] Panel Color Image: White (FS6212) [ImageID 1904] Line 1 Text: BEAVERCREAK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: Black - Reflective Center Body Characters Text: BC61 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: BATTALION CHIEF Line 2 Text Option: Bottom Panel Line 2 Text Format: Default</p>	<input type="text" value="1"/>	\$53.39	\$53.39	<input type="checkbox"/>

<https://www.thefirestore.com/store/cart.aspx>

11/14/2016



Line 2 Text Color: Black - Reflective		Notes:					
	Bleib Project (Build ID 0dba487d-8a10-4fo1-ae4d-0b9812430a4b) BSI Item SKU-FG6212 Product: Morning Pride BEN 2 Low Rider(Holes punched) Hotspot: Leather Fronts Type 4 -Decals Style: FG6212 Leather Color Image: Black Leather (FG6212) [ImageID 2233] Passport Color Image: Black Leather (FG6212) [ImageID 2246] Thread Color Image: Black (FG6212) [ImageID 2267] Panel Color Image: Red (FG6212) [ImageID 1903] Line 1 Text: BEAVERCREEK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: White-Reflective Center Body Characters Text: R-61 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: CAPTAIN Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: White-Reflective Notes:	1	\$53.39	\$53.39	<input type="checkbox"/>		
	Bleib Project (Build ID e817f44e-8231-4435-80ee-7ed8488e896d) BSI Item SKU-FG6212 Product: Morning Pride BEN 2 Low Rider(Holes punched) Hotspot: Leather Fronts Type 4 -Decals Style: FG6212 Leather Color Image: Black Leather (FG6212) [ImageID 2233] Passport Color Image: Black Leather (FG6212) [ImageID 2246] Thread Color Image: Black (FG6212) [ImageID 2267] Panel Color Image: White (FG6212) [ImageID 1904] Line 1 Text: BEAVERCREEK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: Black - Reflective Center Body Characters Text: DC62 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: DEPUTY CHIEF Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: Black - Reflective Notes:	1	\$53.39	\$53.39	<input type="checkbox"/>		
	Bleib Project (Build ID 68180f47-06a8-4e68-8295-84e02a7804d7) BSI Item SKU-FG6212 Product: Morning Pride BEN 2 Low Rider(Holes punched) Hotspot: Leather Fronts Type 4 -Decals Style: FG6212 Leather Color Image: Black Leather (FG6212) [ImageID 2233] Passport Color Image: Black Leather (FG6212) [ImageID 2246] Thread Color Image: Black (FG6212) [ImageID 2267] Panel Color Image: White (FG6212) [ImageID 1904] Line 1 Text: BEAVERCREEK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: Black - Reflective Center Body Characters Text: C-60 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: FIRE CHIEF Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: Black - Reflective Notes:	1	\$53.39	\$53.39	<input type="checkbox"/>		
	Bleib Project (Build ID 03338d18-8238-4f7a-8088-8ea2628f7718) BSI Item SKU-FG6212 Product: Morning Pride BEN 2 Low Rider(Holes punched) Hotspot: Leather Fronts Type 4 -Decals Style: FG6212 Leather Color Image: Black Leather (FG6212) [ImageID 2233] Passport Color Image: Black Leather (FG6212) [ImageID 2246] Thread Color Image: Black (FG6212) [ImageID 2267] Panel Color Image: Black (FG6212) [ImageID 1587] Line 1 Text: BEAVERCREEK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: White-Reflective Center Body Characters Text: PR62 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: FIRE INSPECTOR Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Notes:	1	\$53.39	\$53.39	<input type="checkbox"/>		



Line 2 Text Color: White-Reflective
Notes:

	Bicibi Project (Build ID o811e485-48f5-48dd-be8b-a4e223o8e0a)	<input type="text" value="1"/>	\$53.90	\$53.90	<input type="checkbox"/>
	<small>Bicibi Item SKU: F56212 Product: Morning Pride DEN 2 Low Rider(holes punched) Hotspot: Leather Fronts Type 4 -Decals Style: F56212 Leather Color Image: Black Leather (F56212) [ImageID 2233] Respost Color Image: Black Leather (F56212) [ImageID 2240] Thread Color Image: Black (F56212) [ImageID 2267] Panel Color Image: Red (F56212) [ImageID 1903] Line 1 Text: BEAVERCREEK Line 1 Text Option: Top Panel Line 1 Text Format: Default Line 1 Text Color: White-Reflective Center Body Characters Text: FM61 Center Body Characters Text Option: Raised Leather Center Body Characters Text Format: Default Center Body Characters Text Color: White Line 2 Text: FIRE MARSHALL Line 2 Text Option: Bottom Panel Line 2 Text Format: Default Line 2 Text Color: White-Reflective Notes:</small>				

Enter Coupon Codes or Gift Certificate here:

Only one coupon code per transaction is permitted.

Subtotal (before tax & shipping):	\$3683.91
Estimated Ground Shipping:	<input type="text"/>
Total (before tax):	\$3683.91

Sign in to your account now to earn **\$73.69 FireBucks™** on this purchase!
 Don't have an account? Register today to start earning credits on every purchase.
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U.S. Checkout

Pay with 

CUSTOMERS WHO BOUGHT THE ITEMS IN YOUR CART ALSO BOUGHT

				
<small>Streamlight: Red National Fallen Firefighter's Foundation Vantage \$119.99</small>	<small>Globe: Men's Supreme 14" Structural Fire Boot Pull-On, NFPA \$398.75 - \$547.38</small>	<small>Channelock: The 87 Rescue Tool, Compact 4-Function Tool with Cable Cutter \$39.99 - \$54.38</small>	<small>Calm: NSA New Yorker Leather Helmet, Black \$614.99 - \$650.59</small>	<small>Economy</small>

EMAIL

WITMER PUBLIC SAFETY GROUP, INC.
 104 Independence Way, Coatsville, PA 19320
 Phone: (800) 852-8088 Fax: (888) 335-9800 sales@TheFireStore.com
 © Witmer Public Safety Group, Inc. All Rights Reserved.

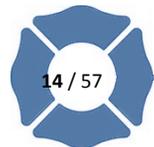
PAYMENT METHODS

CUSTOMER CARE
 (800)852-8088
 Contact Us
 Shipping Costs & Terms
 Our Return Policy
 FireBucks FAQ
 Promotional Details

COMPANY INFO
 About Us
 Visit Our Showroom
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 Christmas Cutoff Dates

SERVICES
 Service Department
 Find a Salesperson
 Government Sales
 Order Status
 Wish List
 Shopping List
 Bulk Pricing



Attachment 02.061b



SALES ORDER: 76790
 (THIS IS NOT AN INVOICE: DO NOT PAY FROM THIS SALES ORDER)
 PHOENIX Safety Outfitters,
 PO Box 20445
 Upper Arlington, Ohio 43220

Bill to:

DEB WHITE
 BEAVERCREEK FIRE
 ATTN: ACCOUNTS PAYABLE 851 ORCHARD LANE -
 SUITE C
 BEAVERCREEK OHIO 45434
 UNITED STATES
 Customer Phone: 937 429 4472 Ext. 2016
 Customer Email: dwhite@beavercreektownship.org

Ship to:

JUSTIN KELLY
 BEAVERCREEK FIRE
 851 ORCHARD LANE
 BEAVERCREEK OHIO 45434
 UNITED STATES
 Customer Phone: 937 429 4472 Ext. 2016
 Customer Email: dwhite@beavercreektownship.org

Date: 13 Feb 2016 **Terms:** Reference Terms in Body of Quote
Accounting Questions: cgrogan@phoenixoutfitters.com **Account Owner:**
Bin Reference Number: **Sent By:** Steve Harting
Shipping Method: Best Way **Tracking Number:**

Qty	Item name	SKU	Item net	Total net
90	MODEL 6-2PP-SO LEATHER FRONT W/ PASSPORT HOLDER & W/O INSERT (SHIELD ONLY) (6-2PP-SO).	6-2PP-SO	\$56.95	\$5,125.50
67	LEATHER PASSPORT PER CUSTOMER SPECIFICATION	6-PP	\$16.75	\$1,122.25
1.0000	There shall be No Freight Charged on this Order // Date Drop Shipped:	DROP-NCFRT	\$0.00	\$0.00
Subtotal			\$6,247.75	
OH-ST TAX EXEMPT @ 0%				\$0.00
Total			\$6,247.75	
Paid to date				\$0.00

Physical Address:
 PHOENIX Safety Outfitters
 1619 Commerce Road
 Springfield, Ohio 45504
 (937) 324-2537

Sales Tax Certificates:
 Ohio (91-050790)
EIN:
 41-224134



Attachment 03.061a



July 6, 2016

Beavercreek Township Fire Department
 1981 Dayton-Xenia Road
 Beavercreek, OH 45424

Dear Sirs;

The following is a proposal, through State Term Schedule, for one (1) 2017 Road Rescue 168" module, mounted on an International Navistar 4300 Chassis, for the sum of **\$246,407.00**. This price includes all standard features: stripe, lettering, & chevrons; and the options listed on a separate production order.

Burgess will install the following items after completion of unit:

1. Install PVC pipe (45 degree angle) in bottom right stack for (2) "D" tanks
2. Install DOT chevron tape at bottom of entry doors
3. Install perforated window covering with "Star-of-Life" print on rear doors

This unit carries a standard chassis warranty, a lifetime structural warranty (not limited to a number of years) on the module, a 7-year/70,000 mile warranty on the factory conversion electrical system, and a 5-year/unlimited mileage warranty on the paint.

Delivery of this unit shall be 180 - 200 days after receipt of chassis. Payment in full is due upon delivery. If you have any questions or require additional information, please call me at 800-541-9518.

Sincerely,

BURGESS AMBULANCE SALES, INC.

A handwritten signature in black ink, appearing to read "Steve Stricklen".

Steve Stricklen
 Sales Manager

PHONE (419) 994 5564 • P.O. BOX 130 • LOUDONVILLE, OHIO 44642



Attachment 03.061b

 MOTOROLA SOLUTIONS		Sean Kostelnik				
		954-292-3486				
		Sean.K@motorolasolutions.com				
P25 Radios						
MARCIP Radios				Date:	12/14/2015	
QTY	Nomen.	Product Description	List Price	STS Discount	Discounted Price	Extened Discount
1	H91TGD9PW7 N	APX 8000 ALL BAND PORTABLE MODEL 3.5	\$ 5,959.00	25%	\$ 4,469.25	\$ 4,469.25
1	QA00577	ADD: LARGE COLOR DISPLAY & FULL KEYPAD	\$ 500.00	25%	\$ 375.00	\$ 375.00
1	Q806	ADD: ASTRO DIGITAL CAI OPERATION	\$ 515.00	25%	\$ 386.25	\$ 386.25
1	H38	ADD: SMARTZONE OPERATION	\$ 1,500.00	25%	\$ 1,125.00	\$ 1,125.00
1	Q361	ADD: P25 9600 BAUD TRUNKING	\$ 300.00	25%	\$ 225.00	\$ 225.00
1	QA01749	ADD: ADVANCED SYSTEM KEY	\$ -	25%	\$ -	\$ -
1	Q15	ENH: AES/DES,DES-XL,DES-OFB	\$ 799.00	25%	\$ 599.25	\$ 599.25
1	VML750	VML 750 MODEM WITH VZW B13	\$ 4,244.00	25%	\$ 3,183.00	\$ 3,183.00
1	Q498	ENH: ASTRO 25 OTAR W/ MULTIKEY	\$ 740.00	25%	\$ 555.00	\$ 555.00
TOTALS			\$ 14,557		\$ 10,918	\$ 10,918
Motorola Solutions Inc.						
Equipment Quote per STS 573077-0						
Title passes upon shipment. Motorola Standard Warranty applies.						
Payment Terms:						
100% of equipment due upon 100% of equipment shipped.						
Payment within 30 days of invoice.						
PO Issued to Motorola Solutions Inc Must:						
> Be a valid Purchase Order (PO)/Contract/Notice to Proceed on Company Letterhead. Note: Purchase Requisitions cannot be accepted						
> Have a PO Number/Contract Number & Date						
> Identify "Motorola Solutions Inc." as the Vendor						
> Have Payment Terms and Contract Number						
> Be issued in the Legal Entity's Name						



Attachment 03.07

INTERNATIONAL*

May 17, 2016

Prepared For:
 BEAVERCREEK COMMUNITY CENTER
 STEVE STRICKLEN
 P.O. Box 180
 Loudonville, OH 44842
 (419)694-5584
 Reference ID: N/A

Presented By:
 RUSH TRUCK CENTERS
 Timothy M White
 4200 CLARENCE DRIVE
 COLUMBUS OH 43228
 (614)876-3600

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.



Model Profile
 2017 4300 SBA LP 4X2 (MH026)

APPLICATION: Rescue
MISSION: Requested GVWR: 25500 Calc. GVWR: 21000
 Calc. Start / Crede Ability: 26.87% / 2.07% @ 65 MPH
 Calc. Gears / Speed: 89.1 MPH
DIMENSION: Wheel base: 175.00, CA: 107.90, Axle to Frame: 53.00
ENGINE, DIESEL: (Cummins ISB 260) EPA 2010, 200 HP @ 2400 RPM 630 lb-ft Torque @ 1600 RPM 2500 RPM
 Governed Speed, 260 Peak HP (Max)
TRANSMISSION, AUTOMATIC: (Milco 2700_FVS_P; 5th Generation Controls, Close Ratio, 6-Speed, with Double Overdrive;
 Includes Park Pawl, with PTO Provision, Less Retarder, with 26,000-lb GVW & GCW Max.
CLUTCH: Conil Item (Clutch & Control)
AXLE, FRONT NON-DRIVING: (Meritor MFS-05-122A) I-Beam Type, 9,000-lb Capacity
AXLE, REAR, SINGLE: (Navistar Selec) 6-Speed Reduction, 17,500 lb Capacity, With 19C Wheel Ends Gear Ratio: 4.63
CAB: Conventional
TIRE, FRONT: (2) 245/70R19.5 G647 RSS (GOODYEAR) 625 rev/mile, load range G, 14 ply
TIRE, REAR: (4) 245/70R19.5 G622 RSD (GOODYEAR) 620 rev/mile, load range G, 14 ply
SUSPENSION, REAR, AIR, SINGLE: (International) Ride Optimized Suspension (ROS); 12,000-lb Capacity 5.3" Ride Height With
 Shock Absorbers
PAINT: Cab schematic: 100GA
 Locat on 1: B219, Winter White (Std)
 Chassis schematic: N/A



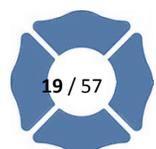
INTERNATIONAL

Electronic Parameters Summary
2017 4300 SBA LP 4X2 (MH028)

May 17, 2016

ENGINE, DIESEL (D012EEU)
ATTACHMENTS: 0012TSY (FAN DRIVE) 0007WZX (SWITCH, FOR EXHAUST)

Parameter	Value	UOM
Max Accelerator Vehicle Speed	73	MPH
Road Speed Governor Upper Droop	0	MPH
Road Speed Governor Lower Droop	0	MPH
Max Engine Speed No Veh Speed Sensr	2120	RPM
Idle Speed Adjustment Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
Low Idle Speed	750	RPM
Idle Shutdown Enable	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Time Before Shutdown	60.0	MIN
ISD Percent Engine Loading	100	%
ISD With PTO	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Manual Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD With Parking Brake Set	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Ambient Temperature Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISU Cold Ambient Air Temperature	30	F
ISD Intermediate Ambient Air Temp	40	F
ISD Hot Ambient Air Temperature	81	F
ISD Manual Override Inhibit Zone Cr	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Hot Ambient Automatic Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Engine Cooler Temp Threshold	50	F
Cruise Control Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
CC Maximum Vehicle Speed	73	MPH
CC Save Set Speed	N, DISABLE FEATURE OR FUNCTION	N/A
CC Upper Droop	0.0	MPH
CC Lower Droop	0.0	MPH
CC Auto Resume	N, DISABLE FEATURE OR FUNCTION	N/A
Reinforce Accelerator Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Remote Accelerator Mode	1, REMOTE ACCELERATOR PEDAL OR LEVER WITH TRANS VERIFICATION	N/A
PTO Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
PTO In Cab Mode	Y, ENABLE FEATURE OR FUNCTION	N/A
Remote PTO Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Remote Station PTO Enable	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Max Engine Speed	2600	RPM
PTO Min Engine Speed	750	RPM
PTO Maximum Engine Load	800	LBS-FT
PTO Max Vehicle Speed	0	MPH
PTO Accelerator Override	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Accs. Override Max Engine Speed	2800	RPM
PTO Clutch Override	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Service Brake Override	Y, ENABLE FEATURE OR FUNCTION	N/A
PTO Parking Brake Interlock Mode	0, PTO PRK BRK INT TYPE SET TO NONE	N/A
PTO Transmission Neutral Interlock	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Eng Spd Limit w/VSS Limit	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Ignore Vehicle Speed Sensor	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Resume Switch Speed	950	RPM
PTO Set Switch Speed	950	RPM
PTO Additl Switch Speed	950	RPM
PTO Ramp Rate	250	RPM/SEC
Remote PTO Number of Speed Settings	1	N/A
Remote PTO Speed Setting 1	950	RPM
Remote PTO Speed Setting 2	950	RPM
Remote PTO Speed Setting 3	950	RPM
Remote PTO Speed Setting 4	950	RPM
Remote PTO Speed Setting 5	950	RPM
Remote Station PTO Resume Sw Spd	950	RPM



INTERNATIONAL*

**Electronic Parameters Summary
2017 4300 SBA LP 4X2 (MH026)**

May 17, 2016

Remote Station PTC Set Switch Speed	950	RPM
Remote Station PTC Addition Sw Spd	950	RPM
Transmission Driver PTO	N, DISABLE FEATURE OR FUNCTION	N/A
Transmission Driver PTO Type	0, ENGINE DRIVEN STEADY LOAD	N/A
Powertrain Protection Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Max Torque Allow By Axle/Driveshaft	23622	LB-FT
Max Torque in Top Gear Range	2995	LB-FT
Max Torque in Int. Gear Range	2995	LB-FT
Max Torque in Low Gear Range	2935	LB-FT
Max Torque w/o Vehicle Speed	1475	LB-FT
Lowest Gear of Top Gear Range	2.00	N/A
Lowest Gear of Int. Gear Range	3.00	N/A
Lowest Gear of Low Gear Range	6.00	N/A
Engine Protection Shutdown	N, DISABLE FEATURE OR FUNCTION	N/A
Engine Protection Restart Inhibit	Y, ENABLE FEATURE OR FUNCTION	N/A
Trip Information Vehicle Overspeed1	0	MPH
Trip Information Vehicle Overspeed2	0	MPH
Maintenance Monitor Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Maintenance Monitor Operating Mode	0, MAINTENANCE MONITOR AUTOMATIC MODE OF OPERATION	N/A
Maintenance Monitor Alert Percent	90	%
Maintenance Monitor Distance	15000	MILES
Maintenance Monitor Fuel	2000	GALLONS
Maintenance Monitor Time	500	HOURS
Maintenance Monitor Interval Factor	1.00	N/A
Master Password	000000	N/A
Adjustment Password	000000	N/A
Reset Password	000000	N/A

These Electronic Parameters have been successfully finalized



INTERNATIONAL*

**Vehicle Specifications
2017 4300 SBA LP 4X2 (MH025)**

May 17, 2016

<u>Code</u>	<u>Description</u>	<u>List (US DOLLAR)</u>
MHU26CU	Base Chassis, Model 4300 SBA LP 4X2 with 175.00 Wheelbase, 107.90 CA, and 60.00 Axle to Frame.	\$80,231.00
1570	TOW HOOK, FRONT (2) Frame Mounted	\$73.00
1CAA	FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield), 9.125" x 3.062" x 2.512" (231.8mm x 77.8mm x 64.0mm) With Transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm) 388.4" (9864mm); Maximum OAL For LP Chassis <u>Notes</u> 6.50" Web Height in AF Section	\$0.00
1LNN	BUWPCR, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness	\$297.00
1W6H	WHEELBASE RANGE 134" (340mm) Through and including 187" (500mm)	\$0.00
2ATL	AXLE, FRONT NON-DRIVING (Motor MFG 06 122A); I-Beam Type, 8,000-lb Capacity <u>Notes</u> The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes; Front Air Cam; Wheels; Tires.	\$165.00
3AGW	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf, 8,000-lb Capacity With Shock Absorbers <u>Includes</u> SPRING PINS Rubber Bushings, Maintenance-Free <u>Notes</u> The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes; Front Air Cam; Wheels; Tires.	\$117.00
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications <u>Includes</u> BRAKE LINES Color and Size Code: Nylon DRAIN VALVE Twist-Type GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel PARKING BRAKE VALVE For Truck QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release; * for 4x2, 2 for 6x4 SLACK ADJUSTERS, FRONT Automatic SLACK ADJUSTERS, REAR Automatic SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SH-7 with relay valve for 6x4 <u>Notes</u> Front and Rear Dust Shields not Included	(5339.00)
4732	DRAIN VALVE (Berg) Manual; With Pul Chain, for Air Tank <u>Includes</u> DRAIN VALVE Mounted in Wet Tank	\$50.00
4AZJ	AIR BRAKE ASS (Bendix Ant-Lock Brake System) Full Vehicle Wheel Control System (1-Channel) With Automatic Tractor Control	\$1,957.00
4EBT	AIR DRYER (Bendix AD-IP) With Heater <u>Includes</u> AIR DRYER LOCATION Inside Left Rear Back of Cab	\$526.00
4EXP	BRAKE CHAMBERS, FRONT AXLE (Bendix) 20 SqIn	\$0.00



INTERNATIONAL*

Vehicle Specifications
2017 4300 SBA LP 4X2 (MH026)

May 17, 2016

Code	Description	List (US DOLLAR)
4EKS	BRAKE CHAMBERS, REAR AXLE (Bendix EverSure) 24/30 Spring Brake	\$34.00
4JCG	BRAKES, FRONT, AIR CAM S-Cam, 15.0" x 4.0" Includes 20 Sq. In. Long Stroke Brake Chambers	\$0.00
	<u>Notes</u> : Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM. : The following features should be considered when calculating Front GAWR: Front Axle; Front Suspension; Brake System; Brakes; Front Air Cam; Wheels; Tires	
4NCW	BRAKES, REAR, AIR CAM S-Cam, 15.0" x 6.5" Includes 24/30 Sq. In. Long Stroke Brake Chambers and Spring Adjusted Parking Brake	\$278.00
	<u>Notes</u> : REAR AXLE IS LIMITED TO 20,000-LB GAWR WITH I CODE 04051 BRAKE SYSTEM, AIR AND CODE 04NCW BRAKES, REAR, AIR CAM REGARDLESS OF AXLE/SUSPENSION ORDERED	
4SPA	AIR COMPRESSOR (Cummins) 18.7 CFM Capacity	\$99.00
5709	STEERING COLUMN Tilting	\$125.00
5CAL	STEERING WHEEL, 2-Spoke, 18" Dia., Black	\$0.00
5PSA	STEERING GEAR (Sheppard M100) Power	\$110.00
7BET	EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; for use with Single Long Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab	\$1,474.00
7WBZ	TAIL PIPE Horizontal, Exits Right Side Outside of Body, At Rear Wheels	\$361.00
7WZX	SWITCH, FOR EXHAUST 3 Position, Momentary, Ignition Momentary, ON/CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF	\$42.00
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	\$0.00
	<u>Includes</u> : BATTERY BOX Steel : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/ Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : JUMP START STUD Located on Positive Terminal of Outermos. Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & 3RD LIGHTS Dual Resistor Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pro-Set Delays) Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered	
8541	HORN, ELECTRIC (2) Disc Style	\$29.00
9719	POWER SOURCE Cigar Type Receptacle without Plug and Cord	\$30.00



INTERNATIONAL*

**Vehicle Specifications
2017 4300 SBA LP 4X2 (MH025)**

May 17, 2016

Code	Description	List (US DOLLAR)
8GXK	ALTERNATOR (Iveco-Neville 01P4C06HN) Brushless, 12 Volt 325 Amp. Capacity, Pad Mounted, with Remote Sense	\$1,358.00
8HAB	SOLEY BUILDER WIRING Back of Standard Cab at Left Frame or Under-Extended or Crew Cab at Left Frame, Includes Sealed Connectors for Tail/Amber Turn/Mercury Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	\$100.00
8MKL	BATTERY SYSTEM (International) Maintenance Free, (3) 12 Volt 1950CCA Total	\$103.00
8RMT	RADIO AM/FM/WBX/Clock/3MM Auxiliary Input, with Multiple Speakers With CD Player	\$474.00
9WBW	JUMP START STUD Remote Mounted	\$166.00
	<u>Includes</u> : JUMP START STUD Mounted to Battery Box	
8WCL	HORN AIR Back, Single Trumpet, Air Solenoid Operated	\$94.00
8WFT	SWITCH, AIR HORN, PASSENGER Fire Truck Application; Warning Switch Located in Instrument Panel Close to Passenger, Driver Also To Activate Switch at Steering Wheel	\$57.00
8WGL	WINDSHIELD WIPER S/PD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$29.00
8WPB	HEADLIGHTS Halogen Composite Head Design for Two Light System. Includes Daytime Running Lights	\$58.00
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Backup Lights	\$47.00
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$22.00
8WTK	STARTING MOTOR (Deico Romy 30MT Type 300) 12 Volt; less Thermal Over-Crank Protection	\$0.00
8WUU	INDICATOR, LOW COOLANT LEVEL With Audible Alarm	\$0.00
8XAH	CIRCUIT BREAKERS Manual Reset (Main Panel) SAE Type III With Trip Indicators. Replaces All Fuses Except For 5-Amp Fuses	\$89.00
9HBM	GRILLE Stationary, Chrome	\$99.00
9WAY	FRONT END Tinting, Fiberglass With Three Piece Construction	\$0.00
10062	PAINT SCHEMATIC, PT 1 Single Color, Design 100	\$0.00
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GA"	
10761	PAINT TYPE Base Coat/Clear Coat 1-2 1 one	\$0.00
11001	CLUTCH OnMil Item (Clutch & Control)	\$0.00
1E703	ANTI-FREEZE Rec., Extended Life Coolant; To -40 Degrees F / -40 Degrees C, Freeze Protection	\$32.00
12840	GLOCK HEATER ENGINE 120V/1000W for Cummins ISB/ISL Engines	\$88.00
12EEU	ENGINE, DIESEL (Cummins ISB 250; EPA 2010, 250 HP @ 2400 RPM, 650 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed; 250 Peak HP (Max))	\$3,323.00
12TSY	FAN DRIVE (Eorg-Warner SA06) Viscous Type, Screw On	\$0.00
	<u>Includes</u> : FAN Nylon	



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Vehicle Specifications
2017 4300 SBA LP 4X2 (MH025)

May 17, 2016

<u>Code</u>	<u>Description</u>	<u>List</u> (US DOLLAR)
12U1B	FEDERAL EMISSIONS (Cummins ISB) EPA, OBD and GHG Certified for Calendar Year 2016	\$359.00
12UYE	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System; 717 SqIn Louvered, With 313 SqIn Charge Air Cooler With In-Tank Transmission Cooler Includes · DEAERATION SYSTEM with Surge Tank · HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps · RADIATOR HOSES Premium, Rubber	\$0.00
12VBR	AIR CLEANER With Service Protection Element Includes · CAUCHE, AIR CLEANER RESTRICTION Air Cleaner Mounted	\$0.00
13VXT	THROTTLE, HAND CONTROL Engine Speed Control: Electronic, Stationary Variable Speed; Mounted on Steering Wheel	\$0.00
12WPV	OIL PAN 15 Quart Capacity, For Cummins ISB Engines	\$0.00
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations	\$0.00
12XAT	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls, With Ignition Switch Control for Cummins ISB or ISL Engines	\$45.00
13ATE	TRANSMISSION, AUTOMATIC (Allison 2000_EVS_P) 5th Generation Controls; Close Ratio, 6-Speed, with Double Overdrive; Includes Park Pawl, with PTO Provision; Less Retainer, with 28,000 lb GVW & GCW Max. Includes · OIL FILTER, TRANSMISSION Mounted on Transmission · TRANSMISSION OIL PAN Magnet in Oil Pan	\$5,505.00
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints	\$151.00
13WYY	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls; Performance Programming	\$0.00
13XAN	PTO LOCATION No PTO	\$0.00
14BS9	SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab	\$163.00
14AJT	AXLE, REAR, SINGLE (Navistar Select) Single Reduction, 17,000-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.65	(\$163.00)
14TBL	SUSPENSION, REAR AIR SINGLE (International) Ride Optimized Suspension (ROS); 12,000-lb Capacity, 5.3" Ride Height, With Shock Absorbers Notes The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes; Front Air Cam; Wheels; Tires.	\$1,238.00
14WAS	SUSPENSION LEVELING VALVE Dual Height; One Additional, for Air Ride Suspension	\$151.00
15IMS	FUEL/WATER SEPARATOR Cummins Supplied on Engine, with 12 Volt DC Heater, with Water-in-Fuel Sensor	\$421.00
15SWJ	FUEL TANK Top Draw; D-Style, Non-Polished Aluminum 18" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab	\$0.00
15WDG	DIESEL TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab	\$0.00

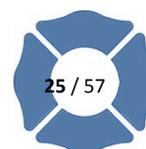


INTERNATIONAL*

Vehicle Specifications
2017 4300 SBA LP 4X2 (MH025)

May 17, 2016

<u>Code</u>	<u>Description</u>	<u>List</u> <u>(US DOLLAR)</u>
*6030	CAB Conventional Includes : ARM REST (2) Molded Plastic One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (4) Two Steps Per Door	\$0.00
1613E	AIR CONDITIONER, PROVISION FOR Accommodation Package, for Air Conditioning. Includes (1) Trane Air 512507 Compressor, With Mounting Kit and Compressor Drive Effects for Vehicle With Primary Compressor Mounting	\$539.00
16HBA	GAUGE CLUSTER English With English Electronic Speedometer Includes : GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter : 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 Voltage (Visual and Audible)	\$0.00
16HGH	GAUGE, OIL TEMP, AUTO TRANS, for Allison Transmission	\$48.00
16RHE	GAUGE, AIR CLEANER RESTRICTION (Filter Minder) With Black Bezel Mounted in Instrument Panel	\$0.00
16IKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	\$0.00
16HLJ	GAUGE, DEF FLUID LEVEL	\$0.00
16JNT	SEAT, DRIVER (National 2000) Air Suspension, High Back With Integral Headrest, Vinyl, Isolator 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type	\$116.00
16KPV	SEAT, PASSENGER (National 2000) Air Suspension, High Back With Integral Headrest, Vinyl, Isolator 1 Chamber Lumbar, 2 Position Front Cushion Adjustment -3 to +14 Degree Back Adjust <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type	\$506.00
16SNH	MIRRORS (2) (Lang Mekra) Style; Rectangular, Power Both Sides, Thermally Controlled Heated Heads, Clearance Lights LED, Bright Finish Heads & Brackets, Breakaway Type, 1.02" x 1.575" & Integral Convex Bolt Sides 102" Inside Spacing	\$620.00
16SCC	GRAB HANDLE Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar	\$118.00
*6WBZ	SEAT BELT All Rest: 1 to 3	\$26.00
16WBY	ARM REST, RIGHT, DRIVER SEAT	\$39.00
*8WBZ	ARM REST, LEFT, PASSENGER SEAT	\$39.00



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Vehicle Specifications
2017 4300 SBA LP 4X2 (MH025)

May 17, 2018

<u>Code</u>	<u>Description</u>	<u>List</u> (US DOLLAR)
16WCT	AIR CONDITIONER (Blend-Air) With Integral Heater & Defroster Includes : HEATER HOSES Premium : HOSE CLAMPS HEATER HOSE Mubea Constant Tension Clamps : RFFRIGFRANT Hydrofluorocarbon HFC-134A	\$923.00
16WJ6	INSTRUMENT PANEL Center Section, Flat Panel	\$0.00
16WJU	WINDOW POWER (2) and Power Door Locks Left and Right Doors, Includes Express Down Feature	\$367.00
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in front of Windshield Under Hood	\$78.00
16WRZ	CAB INTERIOR TRIM Premium Includes : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; A - Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CAB SOUND INSULATION Includes Dash and Engine Cover Insulators : CONSOLE, OVERHEAD Molded Plastic, With Dual Storage Pockets with Retainer Nets, CB Radio Pocket, Speakers, and Reading Lights : COURTESY LIGHT (2) Mounted in Front Map Pocket Left and Right Side : DOOR TRIM PANELS with Cloth Insert on Bolster Driver and Passenger Doors : FLOOR COVERING Rubber - Black : GAUGE, TEMPERATURE, AMBIENT Includes Wiring and Sensor With Display Unit Mounted in Cluster : HEADLINER Sof. Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture) Full-length Driver and Passenger Doors : SUN VISOR (3) Padded Vinyl 2 Adjustable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Roll Locket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side	\$304.00
16WSC	LOW WASHER FLUID INDICATOR	\$15.00
27DAR	WHEELS FRONT (Accuride) DISC 19.5x7.50 Rims, Polished Aluminum 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs Notes : Aluminum Wheels not Painted or Coated : Compatible Tire Sizes: 245/70R19.5, 285/70R19.5	\$795.00
2EDAR	WHEELS REAR (Accuride) DUAL DISC 19.5x7.50 Rims, Polished Aluminum Outer Wheel 10-Hand Hse, Steel Inner Wheel 5-Hand Hole, 10-Stud, 285.75mm BC, Hub Piloted, Flanged Nut, with Steel Hubs Notes : Aluminum Wheels not Painted or Coated : Compatible Tire Sizes: 245/70R19.5, 285/70R19.5	\$372.00
29500	WHEEL BEARINGS, FRONT (International) Oil-Lubricated Wheel Bearings	\$37.00
60AAC	BDY INTG, REMOTE POWER MODULE Mounted Inside Cab behind Driver Seat; Up to 6 Outputs & 6 Inputs, Max. 20 amp per Channel, Max. 80 amp Total (Includes 1 Switch Pack With Latched Switches)	\$690.00





Quote SO

Burgess Ambulance Sales, Inc. Steve Stricklen 527 Winder Road Loudonville, OH 44132	BEAVERCREEK TWP FIRE
--	----------------------

Exp. Date: 05/25/2016
Quote No: 14564-0028
INFO: SPEC TERMS Road Rescue Trailerplate
CHASSIS MD: RR-CHASS1 DuraStar 4300, 175' WB - 166' Bodies
MD - 16B: JM-91681 Type MD - HM 168' Module, International
RMS EQDIP: RMS-7ERR0 Dealer Provided - EMS Equipment

07/06/2016 15:24:51

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PART NO	S	DESCRIPTION	QTY	ID
		== Road Rescue Trailerplate - 2014-026 02/17/16 ==	1	RRJ
00-01-8989		Identification - Scope, Purpose and Classification	1	RRJ
00-02-8100		Warranty - Documentation	1	RRJ
00-02-81200		Warranty - Module Structural	1	RRJ
00-02-8500		Warranty - Electrical, Standard System	1	RRJ
00-02-8400		Warranty - Paint	1	RRJ
00-02-8500		Warranty - Conversion	1	RRJ
	S		1	RRJ
		01- CHASSIS REQUIREMENTS	1	RRJ
01-01-8104	<	> 2016 16" 4300, 175' WB, 20,000 GVW 247 HP (OEM A + Rule) (Special Request) ULTRAMEDIC ONLY LEAD TIME: 75 - 90 DAYS APPLICATION: Ambulance GVWR: 20000. Calc. GVWR: 20000 Calc. Start / Grade Ability: 45.30% / 4.34% @ 55 MPH Calc. Geared Speed: 75.1 MPH FUEL ECONOMY: 14.99 MPG @ 55 MPH DIMENSION: Wheelbase: 175.00, CA: 1.00, Axle to Front: 63.00 ENGINE, DIESEL: MaxForce DT EPA 10, 245 HP @ 2200 RPM, 650 lb-ft Torque @ 1300 RPM, 2100 RPM Governed Speed TRANSMISSION, AUTOMATIC: Allison 3000EVS_P 4th Generation Controls: Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO, In-Recarder, Max. GVW N/A AXLE, FRONT RIM-DRIVING: Meritor MFS-DR-153B I-Beam Type, 8,000-lb Capacity AXLE, REAR, SINGLE: Meritor KS-17-14X-1DD1, Single Reduction, 15,500-lb Capacity, With 130 Wheel Ends Gear Ratio: 4.11 CAB: Conventional TIRE, FRONT: (2) 245/70R19.5 G617 R55 (GOODYEAR) load range G, 14 ply TIRE, REAR: (4) 245/70R19.5 G622 R50 (GOODYEAR) load range G, 14 ply SUSPENSION, REAR, A/R, SINGLE: International Ride Optimized Suspension (ROS); 12,000-lb Capacity	1	RRJ
01-03-1001		[-] Alternator - Standard OEM	1	RRJ
		CHASSIS OPTIONS	1	RRJ
01-07-9025	XU <	DUMP W/ENABLE SW MOVED TO REAR DOORS FOR SUSPENSION DUMP FEATURE TO BE ACTIVATED BY LEFT, REAR ENTRY DOOR. WITH ENABLE SWITCH IN "DR" POSITION	1	RRJ



PART NO	S	DESCRIPTION	QTY	ID
		Switch to be mounted on curbside rear entry door on lock box. When enable switch is de-activated, air dump will not work. (Ignition switch hot, standard) SAFETY TRIGGERS: (1) Dump switch to be "on" position (2) Vehicle must be in "Park" (3) Emergency Brake must be set (4) Molecules to be in "out" position (5) Open street side rear entry door		
01-17-1900	<	Blow Heater - With OEM Plug (STANDARD) This option does not include a switch (STANDARD).	1	RRI
		CAB INTERIOR OPTIONS		
01-21-3500		[-] Cab Insulation - Thinsulate in Cab Ceiling (STANDARD)	1	RRI
		TIRES / WHEELS		
01-24-1560		[-] Wheel Trims - Aluminum Wheels Navistar 4300, 8-Lug	1	RRI
03-07-0072	XU <	[-] 1" X 1" Stainless Corner Protection Wrapper The 1" angle to be formed slightly less than 90 degrees to assure a tight fit due to the overlapping material on the door.	1	RRI
		== Type MD - UM 168" Module, International - 2014.026 02/17/16 ==	1	RRI
01-23-9000	XU <	Wheel Chocks, Zinc, Set of (2) MOUNTED IN COMPARTMENT #2) ABOVE BATTERIES	1	RRI
02-01-8003	>	Ultra medic MD - 168" L x 96" W. 16-3	1	RRI
02-01-9500	>	[-] Interior Headroom - 72"	1	RRI
02-01-9623	>	[-] Standard Aisle Width = 45"	1	RRI
		03 - MODULE EXTERIOR		
		EXTERIOR - COMPARTMENT #1		
04-06-0020	<	-- Compartment #1 - Full height, Standard Configuration (UM)	1	RRI
04-06-0010	<	[-] Electrical Storage - Compartment #1 #1 Compartment Electrical Storage - Recessed into the bulkhead side of compartment #1 shall be an enclosed area for the installation of miscellaneous electrical components. The aluminum cover for this area to be installed with 'J' molding. The 'J' molding to be full length of panel on bottom and inward side. Outward side of panel to be secured with mechanical fasteners. (STANDARD)	1	RRI
04-06-1506	>	[-] Shelf, Fixed - Comp. #1 Delete	1	RRI
04-06-1700	>	[-] Delete Divider, Fixed - Compartment #1	1	RRI
		INTERIOR STREETSIDE #1 - LEFT STACK and BULKHEAD		
05-12-0300	<	[-] Upper Bulkhead Cabinet - Double Doors (STANDARD) Upper Bulkhead Electrical Cabinet, Double Doors - Install double hinged Kydex Thermoplastic or multi-spec (picked in the proper section of work order) doors with locking latch on the right hand door and center pull on the left hand door on the standard upper bulkhead electrical cabinet. (STANDARD)	1	RRI
05-21-8400	<	-- Cabinet Latch - Southern 2" Round Pull Ring Latch, Stainless Non-Locking	1	RRI
05-12-0250	<	[-] Left Stack - Storage Area #1 (STANDARD (Non-Medic)) Left Stack Battery/Inverter cabinet to include (1) adjustable shelf in upper section. Both sections shall have double solid aluminum, Kydex Thermoplastic or multi-spec (picked in the proper section of work order) covered doors with locking latch on the upper doors and locking latch on the lower doors. (standard Ultra medic)	1	RRI
05-21-8400	<	[-] Cabinet Latch - Southern 2" Round Pull Ring Latch, Stainless Non-Locking	2	RRI
		EXTERIOR - COMPARTMENT #2		
04-07-0123	XU <	[-] CUSTOM SLIDE-OUT TRAY IN COMPARTMENT #2 Slide out tray #2 except, 500 LB capacity for (3) batteries to be installed in lower forward comp. section with protective housing installed over it. Includes adding .250 aluminum plate to comp floor in this area. There will be no louvers in except leading into module. Acid louvers to left hand wall below floor line	1	RRI
04-07-3100		[-] Compartment #2 - Increase Height 6.00"	1	RRI



PART NO	S	DESCRIPTION	QTY	ID
04-07-6000		<i>-- Louver Door, #2 Compartment (4 Louver Set)</i>	1	RRJ
		INTERIOR STREETSIDE #2 - ACCION AREA	1	RRJ
05-13-0800	<	<i>-- Cabinets - Upper Left U2 and U2.5, Standard Configuration (UM)</i> <i>(2) Cabinets over Accion Area with sliding doors and restocking feature. The forward U2 and the rearward U1. #2.5 cabinets to include (1) adjustable shelf in each cabinet. The area contains switch panel and environmental controls to be built into a separate 6" high section below the Upper Left #2.5 cabinet, and tilted slightly down for ease of accessibility to the attendant. (STANDARD Ultramedic, Proneadic)</i>	1	RR
05-15-0700		<i>-- Medical Device Rail - Accion Area Wall</i>	1	RRJ
		ATTENDANT LIGHT	1	RRJ
05-15-2200	>	<i>-- Countertop - Forward Accion Area and Rear Monitor Area.</i>	1	RRJ
05-13-2209		<i>-- Acrylic Stormy Gray, F1-9010 (STANDARD)</i>	1	RRJ
05-13-2651		<i>-- GLASS to add Drawer under Accion area</i>	1	RRJ
		EXTERIOR - COMPARTMENT #4	1	RRJ
04-09-3100	< >	<i>-- Compartment #4 - Reduced Height for Center Left 4 Cabinet</i> <i>Reduced Height #4 Compartment for Center Left #4 Cabinet Compartment to be the same height as the #2 compartment. Does not include an adjustable shelf. This option will provide space for a Center Left #4 cabinet with sliding Plexiglas doors and (1) adjustable shelf.</i>	1	RRJ
04-09-4504		<i>-- Shelf Adjustable - Compartment #4, For Reduced Height Comp.</i>	1	RRJ
		INTERIOR STREETSIDE #3 - CPR SEAT	1	RRJ
05-14-4000		<i>-- Deluxe CPR Seat, Extend Lower Left</i>	1	RRJ
05-14-1300		<i>-- Cabinet - Upper Left U3, Full Height</i>	1	RRJ
		INTERIOR STREETSIDE #4 - REAR AREA	1	RRJ
05-15-1000		<i>-- Cabinet - Upper Left C4, Standard Configuration</i>	1	RRJ
05-15-4600	>	<i>-- Cabinet - Center Left C6, 24" H x Full Depth w/ Sliding Acrylic Doors</i>	1	RRJ
		EXTERIOR - COMPARTMENT #6	1	RRJ
04-11-3100	>	<i>-- Compartment #6 - Increased Width, 6.0"</i>	1	RRJ
04-11-2000	S	<i>-- Divider, Adjustable - Compartment #6</i>	1	RRJ
04-11-4510		<i>-- Shelf Adjustable - Compartment #6</i>	1	RRJ
04-11-4520	< >	<i>-- Shelf Adjustable - (1) Additional, Compartment #6</i> <i>Must pick quantity if more than one is needed.</i> <i>Location:</i>	2	RRJ
04-11-4637	S < >	<i>-- Equipment Strap - (1) Seat Belt Style, Metal Buckle - (CS #6 COMPT)</i> <i>(1) Seatbelt style strap with metal buckle. (Push button)</i> <i>Must pick quantity if more than one is needed.</i>	1	RRJ
04-11-5500		<i>-- Compartment Floor Supports</i>	1	RRJ
04-11-6000		<i>-- Louver Door, #6 Compartment (4 Louver Set)</i>	1	RRJ
		INTERIOR CABINETS- SQUAD BENCH AREA	1	RRJ
05-16-0100		<i>-- Curbside Squad Bench - Two Piece (Finger) Lid</i>	1	RRJ
05-16-0100		<i>-- Restraint Belts, Squad Bench - Standard</i>	1	RRJ
05-16-0500		<i>-- Medical Device Rail - Squad Bench</i>	1	RRJ
05-16-0600		<i>-- Latches, Lids - Squad Bench Tri Mark, Standard</i>	1	RRJ
05-16-1015		<i>-- Seat Belts, Squad Bench - Two 6-Point belts - Change Notice B- COMPLIANT</i>	1	RRJ
05-16-0400		<i>-- Cabinet - Upper Squad Bench, 9" H, 72" Headroom ONLY</i>	1	RRJ
		INTERIOR - BIOHAZARD	1	RRJ
05-17-0200		<i>-- Signal Bench "A" Bar 16" - Anti-Microbial, Waste/Sharps, (STANDARD)</i>	1	RRJ
05-17-2000	>	<i>-- Glove Butler(s)</i>	1	RRJ
05-17-2100		<i>-- Glove Butler (3) Total - Over Curbside Entry, Drop down Door</i>	1	RRJ
05-17-3600		<i>-- Access - Sharps, Aisle Side Disposal, Front of Squad Bench</i>	1	RRJ
		EXTERIOR - COMPARTMENT #8	1	RRJ
04-14-2900		<i>-- Compartments #8 & 8.5 - Full Height, Combined Configuration</i>	1	RRJ
		INTERIOR CURBSIDE - RIGHT STACK STORAGE #8	1	RRJ
05-18-0600		<i>-- Right Stack - Upper Heater-A/C Unit, Standard Configuration (UM & PM)</i>	1	RRJ
05-18-0800		<i>-- Right Stack - Heated Air Intake (STANDARD)</i>	1	RRJ
05-18-1114	<	<i>-- Right Stack - "B" Style Configuration, Upper Lexan, Lower Lexan</i> <i>Right Stack "B" Style Configuration - Upper Lexan, Lower Lexan</i> <i>The right stack shall be split into (2) sections. The lower section 1/4 shall have</i>	1	RRJ



PART NO	S	DESCRIPTION	QTY	ID
		framed Lexan double doors with INSIDE/OUTSIDE ACCESS. The upper section 3/4 shall have framed Lexan double doors with INTERIOR ACCESS ONLY. Both sections shall have (1) shelf in each.		
05-18-5112	>	- UB - Drug Cabinet, Increase 20" Durt Lexan Doors, Interior	1	RNI
05-21-0500		- Cabinet Latch - Southern 2" Round Pull Ring Latch, Stainless Locking	2	RRJ
05-18-5312	>	- LB - Cabinet, Durt Lexan Doors, Reduced Height (1) Adj Shelves, Int / Ext	1	RNI
05-21-0400		- Cabinet Latch - Southern 2" Round Pull Ring Latch, Stainless Non-Locking	2	RRJ
02-02-1010		Materials, Medium-Duty	1	RRC
		EXTERIOR MODULE CONSTRUCTION		
02-05-1400	>	- Module Head Jambles, 3 Inch High (STANDARD)	1	RRJ
02-03-1500	>	- Extreme Bonding Tape (STANDARD)	1	RRJ
03-03-1600	>	- Sub-floor Gasket Supports (STANDARD)	1	RRL
01-03-1700	>	- One Piece Side Body Panels (STANDARD)	1	RRJ
03-03-1800	>	- Reinforce Rear Header (STANDARD)	1	RNI
01-01-1900	>	- Single Sheet Module Roof Sheet (STANDARD)	1	RRJ
03-02-0200		Module Jambolasting (STANDARD)	1	RNI
		INSULATION		
03-13-2220	<	- Whisper Quiet - Sound Dampening/Thermal Insulation Package (DM & PM); Whisper Quiet - Sound Dampening/Thermal Insulation Package. (ULTRAMEDIC AND PROMEDIC)	1	RNI
		Spray foam underbody insulation prior to undercoat application. In 1 subfloor coverage where applicable. Includes curbside step well area.		
03-03-2030	<	> Drop Curbside Forward Body Skirt - 6". Add Double Step, Medium Duty Chassis. The manufacturer shall drop the lower body skirt along both sides at the bottom of the module by approximately 6". This shall lower the height of the side entry step and provide easier access through the side entry door. Increase the depth of stepwell inboard as far as sub structure permits. Side surfaces to be Diamond Plate. Step surface to be a combination of NEPA Diamond Plate and removable 9" Grip Strips inners. The second step to be fabricated of NEPA Diamond Plate and installed so that the step surface is midway between the stepwell floor surface and the module floor surface making two equal steps into the vehicle.	1	RRJ
		SIDE DOOR STEP		
03-08-2000		- (2) Step Well, Side Entry - Increased Depth, Lower Grip, Upper Diamond Plate	1	RRJ
03-08-3020	>	- Stepwell Light TruckLite 4", Clear	1	RRJ
		MODULE ENTRANCE		
03-05-0100	>	Module Access - Standard	1	RRJ
03-06-0100	<	Entry Doors - Hidden Hinge, Seal on Door, W/Pail Safe Latching, STD. This includes the Fail Safe Latching mechanisms on all three entrance doors.	1	RRJ
03-06-0400		- Door Restraints - Rear, Polished Gas Ammiron, Pin & Slot, Style	1	RNI
03-06-0850	<	- Door Restraints - Side, Heavy Duty Gas Spring Held Opens. Curbside Door Restraint - Heavy Duty gas spring held opens. - Attached by 1/4" x 20 SS Machine Screws with 1/4" x 20 Nut inserts into Concor Gasket in Door Side entrance door to open to 90° opens. (STANDARD)	1	RRJ
03-06-1012		- Entry Door Handles - TriMark 2015 Chrome/Black (includes interior handles)	1	RRJ
03-06-1500		- Door Panel, Inner - Stainless Steel (STANDARD)	1	RRJ
01-06-4010	>	- Lock Roves, White Diamond Grade (STANDARD)	1	RRJ
03-06-4400		- Door Panel Mounting Screws (STANDARD)	1	RRJ
03-06-2200		- Magnetic Entry Door Switches (STANDARD)	1	RRJ
03-06-4200		- Coil Cords for Electrical Circuits (STANDARD)	1	RRJ
03-06-6065	<	> - Power Door Locks - Module Entry Doors, W/Hidden Switch. Install power door locks in side and rear entrance doors. Includes (2) lock/unlock switches, one at side door and one at rear door. Also includes (1) hidden switch in rear license frame for unlock function only. System will be tied to OEM chassis power	1	RRJ



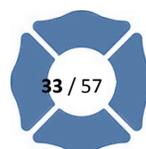
07/06/2016 15:24:53		DESCRIPTION		Page 5	
PART NO	S			QTY	ID
			locks so that both systems operate as one. Does not include wireless remote. Note: Hidden Switch can be raised per Dealer instructions.		
03-06-7010	XU <		-- Stainless Corner Protection on Rear doors, Brushed SS Install stainless steel angle to the lower inside edge of rear doors to prevent damage when loading/unloading cot	1	
			Rear Entry Door Grab Bars	1	RR1
05-10-1301	<		-- Rear Entry Door Grab Bars - "L" Bars, 15" Anti-Microbial "L" Bars - 16" Anti-Microbial, 1.25" Diameter stainless steel "L" Bars mounted to each rear door. Approximately 1.6" wide by 24" high. Clear Anti-Microbial finish.	1	RR1
05-10-1401	<		-- Side Entry Door Grab Bars - "L" Bar - 19" Anti-Microbial "L" Bar - 19" Anti-Microbial, 1.25" Diameter stainless steel "L" Bars mounted to side entry door. Approximately 1.9" wide by 24" high. Clear Anti-Microbial finish.	1	RR1
			WINDOWS	1	RR1
03-09-11301			Module Window Requirements	1	RR1
03-09-1120			-- Window - Side Entry Door, 18X18, Slider - Bronze Glass	1	RR1
03-09-1220			-- Window - Rear Entry Doors, 18X24, Fixed - Bronze Glass	1	RR1
03-09-1234	XU		Window Tint, SmartFilm, Electronic on Rear Windows ONLY	1	RR1
			MODULE TO CHASSIS MOUNTING SYSTEM	1	RR1
03-10-7000			Module to chassis mounting system-Medium Duty (10)	1	RR1
03-11-6000			Connecting Belaws, Type I	1	RR1
			REAR BUMPER AND REAR STEP CONSTRUCTION	1	RR1
03-12-1800			Rear Bumper - Recessed 9" Pocket, Flip-up	1	RR1
03-12-3020	< >		-- Bumper Pods, CPI Cast Aluminum w/RR Logo. (HM & PM) Cast Products Bumper Pods, High Polish Finish. Mounted on the outboard rear wrap bumper frame members. The CPI cast aluminum pod shall include a RR Logo embossed in the cast pattern on the step area.	1	RR1
			ELECTROLYSIS PREVENTION	1	RR1
03-13-4000	<		Electrolysis Prevention, Fluid Film (STANDARD) Fluid Film is used at every point where the mounting process has the propensity to break point (STANDARD)	1	RR1
			COMBINATION RUB RAIL AND FENDER RING	1	RR1
03-15-6010	>		Crush Rail, Anodized Extruded Aluminum, w/Flatbar LOS Rubber	1	RR1
03-15-7070			-- Fender Rails - Polished Alum, Drapped Skirt Curbside - Medium Duty 22.5"	1	RR1
			SPLASH GUARDS AND RUNNING BOARDS	1	RR1
03-16-3300	>		Running Boards - Grip Strut, Medium-Duty	1	RR1
03-16-1800	<		Mud Flaps - Rear, Black w/ RR Logo (Standard) Heavy Duty Rubber Mud Flaps w/ RR Logo - Heavy Duty Rubber Mud Flaps to be bolted to the wheel liner behind the rear duals with 1/4" x 20 Stainless Steel bolts, washer and nylon locknut for ease of maintenance and repair (STANDARD)	1	RR1
03-17-1000	<		Drip Rails Polished Aluminum Drip Rails - Above All Doors, Entry and Compartment (Standard)	1	RR1
03-10-1000	<		Wheel well liners Aluminum Wheelwell Liners - Extending to Bottom of Sidet (Standard)	1	RR1
03-19-0700			Walk Thru Opening - Medium Duty	1	RR1
03-19-2000	<		-- Cab to Module - Walk Through Door, (STANDARD) The cab to module walk/crawl through to include a clear fixed window and a self latching lugged door in the open or closed position with the actuator latch being on the cab side. Overall door height to accommodate a fluid dam. (STANDARD)	1	RR1
03-19-2100	<		-- Cab to Module Fluid Dam, (STANDARD) Cab to Module Fluid Dam - A louvered fluid dam, 4" tall to be installed below the cab to module walk through door to prevent fluids from contaminating the cab. The floor and fluid dam to be fully sealed. (STANDARD)	1	RR1



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PART NO	S	DESCRIPTION	QTY	ID
03-20-0510	>	[- Rear License Holder Location - C/S Above Rear Kickplate	1	RR1
04-01-0300		Exterior Compartment Construction, Medium Duty	1	RR1
04-01-3000	<	Door Sill Protector, Stainless Steel. (STANDARD) Door Sill Protector - Install Stainless Steel sill protector on lower edge of all door frames to prevent paint damage. (STANDARD)	1	UR1
EXTERIOR COMPARTMENT DOORS			1	RR1
04-02-0100		Compartment Door - Hidden Hinge, Seal on Door (UM)	1	RR1
04-02-0715	<	[- Compartment Handles, Exterior - TriMark 2015 Chrome/Black (HM) TriMark Two Point Cast w/Polished Chrome Paddle Handle and Housing, Locking and Non-Locking, with Loading Cam - Mounted in CNC Cut Opening in Each Compartment Door Skin w/IRM Clamp Assembly. (STANDARD ULTRAMED.C)	1	RR1
04-02-0805	<	[- Compartment Door Locks - 2015 TriMark Compartment Door Handle Mount Locks. - All doors shall incorporate double cut, non-directional tumbler assemblies that are keyed alike (STANDARD)	1	RR1
04-02-5999	>	[- Power Door Locks - Exterior Compartment(s)	1	RR1
04-02-6010	>	[- Exterior Compartment #'s 1, 2, 4, 6 & 8, Only	1	RR1
04-02-6745	<	[- Compartment Handle, TriMark 2015 Chrome/Black, Streetside, Locking For single doors or leading doors on the streetside.	1	RR1
04-02-9751	<	[- Compartment Handle, TriMark 2015 Chrome/Black, Curbside, locking For single doors or leading doors on the curbside.	1	RR1
04-02-1000		[- Compartment Door Nader Pin - (STANDARD)	1	RR1
04-02-1200		[- Compartment Door Lubrication - Door Handles and Latches (STANDARD)	1	RR1
04-02-1300		[- Compartment Door Referencs - (STANDARD)	1	RR1
04-02-1500		[- Magnetic Compartment Door Switches - (STANDARD)	1	RR1
04-02-2010		[- Compartment Door Panel, Inner - Diamond Plate (STANDARD)	1	RR1
04-02-2300		[- Compartment Door, Gas Struts - (STANDARD)	1	RR1
04-02-2500		[- Compartment Door Panel Mounting Screws - (STANDARD)	1	RR1
04-03-0410	<	Compartment Light Locations - Ultramedic Compartment Light Locations - Standard for Ultramedic: (1) #1 Ceiling, 4" light (1) #1 Under O2 shelf (Surface Mount) 6" light with switch (2) #2 Wall above and below standard shelf, 4" light (2) #4 Wall above and below standard shelf, 4" light (1) #6 Ceiling, 4" light (3) #8/Wall Stack - One in each shelf section, 4" light NOTE: Must pick lights from menu. Any lights other than the standard 4" red emergency light must be picked (RRS) and any additional locations must be picked as I&TS.	1	RR1
04-03-0440		[- Compartment Light (1) 4" Red Ground Mount, Std	1	RR1
EXTERIOR COMPARTMENT INTERIOR			1	RR1
04-04-1000	<	Exterior Compartment Interior Finish, Scorpion Rubberized Exterior Compartment Interior Scorpion Rubberized Liner Color Choice. Scorpion rubberized polyurethane coating applied to the surfaces of ALL exterior compartment walls and dividers. Does not include slide out battery tray or mounting angles. Battery Tray to be raw aluminum. NOTE: If there is not a slide out battery compartment in this order the 08.5 exterior compartment area will be Scorpion lined.	1	RR1
04-04-1001		[- Color - Dark Gray	1	RR1
04-05-0001	<	Exterior Compartment Shelving and Finisht - Standard All exterior shelving structure shall be welded to the walls prior to any compartment wall finish. Where specified, exterior adjustable shelves shall be box pan formed of a	1	RR1



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PART NO	S	DESCRIPTION	QTY	ID
		minimum 125 inch Aluminum Diamond Plate and Corsets shall be welded. Shelves shall be infinitely adjustable, and securely mounted to heavy gauge aluminum extrusion track. (STANDARD)		
04-05-1000	<	-- Compartment Shelving - Diamond Plate (STANDARD) Diamond Plate Exterior Compartment Shelving. (STANDARD)	1	RR
	<	INTERIOR TRIM AND FEATURES New Interior Trim - All cabinet and wall panel aluminum trim to be Gray brushed. (No Black trim to be used). All protective corner trim will be Opaque and will include a matching domed end cap. (STANDARD)	1	RR1
		INTERIOR ADJUSTABLE SHIMMES	1	RR1
		INTERIOR TRIM	1	RR1
05-05-1000		-- Interior Trim - Standard	1	RR
		INTERIOR COLORS	1	RR1
05-20-5705		Thermoplastic, anti-microbial, Standard Interior Finish	1	RR
05-20-5210	<	-- Thermoplastic, anti-microbial, Sterile Area, cabinet finish Part Number #KD18800	1	RR
05-20-5300	<	-- Upper Band Vinyl Color - Cabinets and Stitched Cushions Upper Band Vinyl Color Choice for cabinets and stitched cushions.	1	RR
05-20-5326		-- Color - Stratford Smoke SP-74	1	RR
05-20-5500		-- Lower Band Vinyl Color - Vacuum Formed Cushions	1	RR
05-20-5510		-- Color - Gunmetal	1	RR1
05-20-9800		-- Lexan Glass, Color Choice	1	RR1
05-20-9801		-- Color - Clear	1	RR1
05-21-5100		-- Squad Bench & Lower Left, 11 Inch Brushed Stainless Kickpanels	1	RR1
		HEADLINE	1	RR1
05-06-1200		Headliner - Vinyl Ceiling, No Seams (STANDARD)	1	RR
05-06-1100		-- Ceiling Medical Device Rail (STANDARD)	1	RR
05-06-1802		-- White LED Strip Lights, Ceiling Medical Device Rail. (UM & PM)	1	RR
05-06-1902		-- Red/Amb: LED Turn/Break Strip Lights, Ceiling Medical Device Rail. (UM & PM)	1	RR
11-01-1201	<	11-01-1201 -- Dome Lights - Whelen 8", White Flg, LED, (11) UDS, No Visible Fasteners The interior lighting system shall consist of (11) Whelen 8" round dual intensity white diode super-LED lights with white flange in the following configuration: (3) Cut lights in the medical device rail over the primary cot (2) Branch lights over the squad bench (3) Dome lights Streetside (1) Dome light Curbside over head of squad bench (1) Dome light Curbside rear (1) Dome light over the walkway The four outside corner lights and the (1) light over the CPR seat area and the (1) over the walkway shall be designated module dome lights and be activated when the side or rear module entrance doors are opened or by a three-way circuit allowing these lights to be turned on and off from either module. The lights over the primary cot and squad bench shall have switches in the module that will allow independent high/low/off control. The lights shall produce at least 35 foot candles of light over ninety percent of the cot surface area in the high setting. These lights will not be fastened with mechanical fasteners, they will be fastened with a spring clip. NOTE: NO VISIBLE FASTENERS OR HOLES.	1	RR1
11-01-9000		-- Timer -15 minute Restocking (STANDARD)	1	RR1
		FLOORING	1	RR1
05-07-1000		-- Aluminum Floor/Wall Cove Moulding (STANDARD)	1	RR1
05-07-1400		-- Stainless Steel Rear Threshold, 2.5 Degree Chamfered (STANDARD)	1	RR1
05-07-3000		-- Complete H Flooring Choice	1	RR1
05-07-3003		-- Color - 424 Gunmetal	1	RR1
05-07-6100		-- Curbside Stainless Steel Threshold, 4" wide, W/Safety Walk Anti-Skid Type	1	RR1
		HEAD BUMPERS	1	RR1



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PART NO	S	DESCRIPTION	QTY	ID
		BACKRESTS	1	RR1
05-10-1903		Ceiling Grab Rail - Center LDB' Anti-Microbial	1	RR1
		PLASMA TANGERS	1	RR1
05-11-4110		IV Hangers - CPL#IV2008 (STANDARD)	1	RR1
05-11-4407		Quantity (2)	1	RR1
05-12-SR01	XU <	12V Muffin fan mounted in left stack Install (1) 12V fan mounted MUFFIN fan in rear facing wall of lower left stack area behind standard vent to pull air from module. Install an additional vent to upper section of right hand door of lower left stack. Fan wired "on" with module power.	1	RR1
05-13-0700	XU <	Medical Device Rail - Action Area Wall INSTALL AN ACTION WALL MEDICAL DEVICE RAIL SYSTEM ON THE STREET SIDE WALL. EACH SIDE OF THE TRACK WILL HAVE A SOLID SURFACE ACCENT STRIPE TO MATCH THE ACTION WALL COUNTER. TO BE SURFACE MOUNTED & RUN THE ENTIRE LENGTH OF THE ACTION WALL FROM THE #1 COMPARTMENT TO THE CPR SEAT. THE MEDICAL DEVICE RAIL ALLOWS FOR PROVISIONS FOR THE STANDARD (2) OXYGEN OUTLETS, SOLENOID VALVE, SUCTION REGULATOR, 12VOLT OUTLETS AND 110V OUTLET	2	
05-16-0111	XU <	Additional Seat belt Retractor & Receiver - Forward facing #6 interior (SR wall) Install (1) additional seat belt retractor and receiver on forward facing #6 interior wall for child seat at end of squad bench. This option includes reinforcing #6 compartment wall	1	
05-18-0130	XU <	DELETE LOCKING DRUG, EXTEND LOWER SECTION OF "A" STYLE RIGHT STACK ALS FOUR DOORS SPLIT EVERY WITH RCI LOCK TO OPERATE WITH UPPER & LOWER SECTIONS. UPPER SECTION OF RIGHT STACK MUST HAVE INSIDE ACCESS ONLY	2	
05-18-SR01	XU	DELETE - Right stack floor - NO floor separating lower left from lower #8.5 compartment ATTENDANT SEAT	2	RR1
05-19-5900		Attendant Seat - EYS Van Form, 3-Point Belt W/ Child Seat, Swivel Base	2	RR1
05-19-5904		-- Color - Gunmetal	1	RR1
		MISC. INTERIOR OPTIONS	1	RR1
05-21-2520	<	-- Compartment Security Locks - RCI Electric w/ Remote Keypad, For Hinged Doors 1) RCI Electric #3512 with remote keypad lock for upper & lower right stack. KEYPAD TO BE MOUNTED NEAR TOP, LEFT OF RIGHT STACK	1	RR1
06-06-1711	XU	REMOVE CHASSIS RADIO/RELOCATE TO HAVIS SHIELD CONSOLE	1	
06-06-5400	XU <	ANTENNA PREWIRE (2) ADDITIONAL LOW LOSS ANTENNA CABLES ANTENNA - PREWIRE (2) ADDITIONAL LOW LOSS ANTENNA CABLES & ACCESS PLATES. CABLES ALL ROUTE FROM THE MODULE ROOF TO THE LOWER SECTION OF THE LEFT STACK/RADIO CABINET & BE OF SUFFICIENT LENGTH TO ALLOW ROUTING TO THE CAB CONSOLE AS AN ALTERNATE RADIO INSTALLATION LOCATION. CABLE TO BE TAPED TO THE BACK OF THE ACCESS PLATE AND LABELED ON BOTH ENDS. (2) STANDARD (2) ADDITIONAL	1	
06-06-SR01	XU <	(1) Heavy Duty Ground Posts Install (1) terminal post in front cab console Install (1) terminal post in lower left stack Install (1) terminal post in rear switch panel housing (3) TOTAL BLACK, HEAVY DUTY POST WIRED TO AND LABELED "GROUND"	1	
06-06-SR03	XU	Firecom Intercom System-Digital, Dual Radio Interface Intercom w/wired headphones	1	
		RADIO AND CLOCKS	1	RR1
06-07-6500		Clock - Digital Luxxesse Atomic, 12/24 Hour, Over Rear Doors	1	RR1
06-07-7100		Speakers - Over Rear Doors w/Volume Control in Action Wall	1	RR1
		07 - ELECTRICAL 12 VOLT DC	1	RR1
06-01-0100	<	-- General Wiring - General Harness Standard Crt Port Aux./Shrine, 20 amp 12VDC to 2 locs, W/D1/D9130 chgr (1) 10 amp lead shall be coiled up behind the A/A panel for future use. (1) 10 amp lead shall be coiled up behind the driver's seat in the cab, for future use. Note: This code will be used when add additional battery charger has already been installed, the PD9130 will not be used with this option.	1	RR1



PART NO	S	DESCRIPTION	QTY	ID
07-02-1000		-- Voltmeter - Standard	1	RR1
07-02-1100		-- Alarm, Low Voltage, W/Ch Buzzer and Indicator, in cab console	1	RR1
07-05-2000		Ammeter - for multiplex system	1	RR1
		BATTERY SYSTEM		
07-05-0500	<	<p>-- Batteries - Type MD Configuration, (3) OEM Batteries</p> <p>Include three OEM Batteries stored in the street-side EXTERIOR COMPARTMENT #2 - ONE (1) BATTERY WIRED FOR MODUL E USE ONLY - BATTERY BOX COVER SHOULD BE FULL-LENGTH OF COMPARTMENT #2 TO ACCOMMODATE ADDITIONAL BATTERIES IF NEEDED</p>	2	RR1
07-07-0500		-- Module Disconnect - Multiplex System,	1	RR1
07-0E-0100		-- Battery Ground	1	RR1
07-05-6000		-- Battery Charger - Frewire only, 12V (STANDARD)	1	RR1
07-10-1000		-- Power Outlet's 12V, (2) Power Point Style, On with Ignition (STANDARD)	1	RR1
07-10-5100	<	<p>-- (2) Additional 12V Outlets, Direct to Battery</p> <p>(1) UPPER RIGHT STACK</p> <p>(1) LOWER RIGHT STACK</p>	2	RR1
08-01-1600		-- Driver's Switch Panel/Radio Console - VMUX, Standard	1	RR1
08-02-1150		-- Driver's Control Panel - V-MUX, Touch Screen	1	RR1
08-02-1151		-- Ford Chassis, Touch Screen, Double Din in dash mounted	1	RR1
08-04-6020		-- Joystick Control - Weldon V-MUX with quick buttons	1	RR1
08-04-4204	<	<p>-- Power Distribution - Multiplex, (DM & PM)</p> <p>Power Distribution - Smart Display 3.0, with Super Mode II, Video Inputs.</p> <p>Power Distribution - DV700, Video Inputs (DM & PM)</p> <p>Smart Display III, Multiplex System w/LCD VGA Screen on front switch panel. System to include scaled Micro Touch Membrane Switches and electro-luminescent backlighting on the Front and Rear Switch Panels. The front panel to include an LCD/VGA screen and the rear panel to include a digital clock and thermostat. Includes an U4 Regulator/Transformer Mounted in #1 Compartment</p> <p>INCLUDES VIDEO INPUTS FOR CAMERA OR GPS</p>	1	RR1
		COMMUNICATION		
06-06-2000	<	<p>-- Antenna UHF/VHF - Install Customer Supplied Antenna</p> <p>Antenna location:</p> <p>Coax termination:</p>	1	RR1
06-06-2003	< >	<p>-- Antenna UHF/VHF - Install (3) Customer Supplied</p> <p>ALL ANTENNAS WILL BE MOUNTED TO ROOF OF MODULE & RUN TO ELECTRICAL EQUIPMENT CABINET</p> <p>NOTE: The dealer/customer understands that materials must be delivered to Road Rescue prior to the units production start date. Materials received too late for station installation will not be installed and will be shipped home with the vehicle. Materials must include detailed instructions.</p>	3	RR1
06-06-1600		-- Two Way Radio Routing Path Cab to Module. (STANDARD)	1	RR1
06-06-1700		-- Two Way Radio Frewire, 12VDC Power and Ground (STANDARD)	1	RR1
		ENVIRONMENTAL CLIMATE CONTROL SYSTEM		
13-01-2000		-- Climate Control - Standard (DM & PM)	1	RR1
13-01-1200		-- HVAC - Central Air Flow Discharge (DM & PM)	1	RR1
13-03-1000		-- Return Air System	1	RR1
13-03-2000		-- Return Air Central Plenum	1	RR1
13-03-3000		-- Heat/AC Cabinet	1	RR1
13-02-5615	>	-- HVAC Aux Front Wall COOLBAR - Harsco, International MULTIPLEX	1	RR1
13-02-5701	<	<p>-- Cover, Cool Bar, (5) 900 series lights, Halogen or LED</p> <p>Drawing # 314710</p> <p>This cover is for (5) Halogen or (5) LED lights only.</p>	5	RR1



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PART NO	S	DESCRIPTION	QTY	ID
		Note: Will be painted same color as the mount location on box front		
07-04-3303 07-10-0500	XU <	Ignition Battery Start On Timer, 5 minute, (Standard) WIRING ONLY FOR (2) 12 VOLT OUTLETS - "DIRECT TO BATTERY" INSTALL (2) 10AMP-12VDC POSER POINT STYLE DIMPLETS WIRED "DIRECT TO BATTERY" (1) IN THE FRONT CONSOLE (1) IN THE LOWER LEFT STACK	1	KRE
07-10-1500	XU <	Power Outlets 12V, (2) Power Point Style, Direct to Battery INSTALL (3) 10-AMP 12VDC POSER LEAD WIRED "DIRECT TO BATTERY" RED POWER WIRES TO BE LEFT UNCONNECTED NEAR A "DIRECT TO BATTERY" CONNECTION POINT INSIDE THE POWER DISTRIBUTION CABINET.(1) WIRE LEAD TO BE ROUTED TO THE FRONT SWITCH PANEL WITH OPT. SERVICE LOOPS. (1) WIRE LEAD TO BE ROUTED TO THE REAR SWITCH PANEL HOUSING. WIRES TO BE LABELED AT BOTH ENDS.	1	
07-10-1500	XU <	Power Outlets 12V, (4) Power Point Style, On with Ignition INSTALL (3) 10-AMP 12VDC POSER LEAD WIRED "DIRECT TO BATTERY" RED POWER WIRES TO BE LEFT UNCONNECTED NEAR A "DIRECT TO BATTERY" CONNECTION POINT INSIDE THE POWER DISTRIBUTION CABINET.(1) WIRE LEAD TO BE ROUTED TO THE FRONT SWITCH PANEL WITH OPT. SERVICE LOOPS. (2) WIRE LEAD TO BE ROUTED TO THE REAR SWITCH PANEL HOUSING. WIRES TO BE LABELED AT BOTH ENDS.	1	
07-10-7200	<	Outlet, Dual USB Port, 5VDC, 2.1Amp output, Standard Located on the passenger side of the center console, per Electrical Engineering	1	KRI
08-01-0123	XU <	SUPPLY - INSTALL THE FOLLOWING FRONT CONSOLE SEP WDH 9R5077 (SR#20130033)	1	
08-01-1811	XU <	HAVIS SHIELD CONSOLE PER CUSTOMER SPECIFICATIONS DELETE (1) 12-VOLT PLOC & INSTALL (1) USB PORT	1	
08-01-1813	XU <	FACTORY TO INSTALL CUSTOMER-SUPPLIED RADIOS/KNOX BOX -Install Radio Control Head (Motorola APX-05) as per manufacturer's instruction manual-Install in Havis-Shield unit per customer-supplied diagram. (Electric supply to be 12-volt battery, 12-volt ignition, 12-volt ground) -Install Radio Control Head (Motorola APX-05) as per manufacturer's instruction manual-Install under cabinet U2 in Action Area of module. (Electric supply to be 12-volt battery, 12-volt ignition, 12-volt ground) -Install Radio speakers (1) mounted to rear of Havis-Shield unit & between flashlights (2) mounted behind radio control head under cabinet U2 in Action Area of module - Install Radio (Motorola APX6500-700/800mhz) as per manufacturer's instruction manual - Install on back wall of bottom cabinet of Left Stack. (Electric supply to be 12-volt battery, 12-volt ground) -Install Interface Cable (MR-52X) from Radio Head to FireCom5200D Digital Intercom. (Plug into "Radio-A") -Install Vehicle Modem (Motorola VML750) as per manufacturer's instruction manual - Install on back wall of bottom cabinet of Left Stack (Electric supply to be 12-volt battery, 12-volt ground) -CUSTOMER-SUPPLIED CABLE TO RUN FROM MODEM TO FRONT OF HAVIS CONSOLE	1	
08-01-1813	XU <	FACTORY TO INSTALL NEDERMAN MAGNET and TRANSMITTER Factory to install "Customer-supplied" Equipment: -Nederman Magnet to be located on module body above exhaust pipe. Center of magnet should be approximately 24" above center of exhaust pipe opening. Transmitter to be located on dashboard, passenger's side.	1	
08-01-1814	XU <	FACTORY TO INSTALL CUSTOMER SUPPLIED PRINTER -Printer to be installed on top of Left Stack. (Electric supply to be 12-volt battery, 12-volt ground) -Provide USB cable to be run from the printer to Havis-Shield Console -Owner will also provide a plug (Electric supply to be 12-volt battery, 12-volt ground) to also be installed in Havis Console	1	



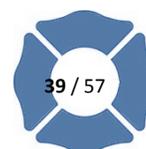
PART NO	S	DESCRIPTION	QTY	ID
00-02-9400	AT	< MAT LIGHT, RED 4" ROUND LED IN CAB CEILING RED, 4" ROUND LED WITH CHROME BEZEL, SURFACE-MOUNT, MAT LIGHT IN CAB CEILING WITH SWITCH ON CONSOLE. LIGHT TO BE INSTALLED OVER LEFT SIDE OF PASSENGER SEAT & SLIGHTLY FORWARD.	1	RR1
09-03-2150	>	EMERGENCY SYSTEMS - International Trucks -- Siren Electronic - Whelen 295HFSM7 - Remote Head, California Compliant	1	RR1
09-03-2210		-- Speakers - (2) CPI "Thong-The-Pumper" for Navistar	2	RR1
09-05-3700		-- Backup Alarm (STANDARD)	1	RR
09-06-3200		-- Emergency Sequencer/Load Manager (STANDARD)	1	RR
09-50-1333	<	-- Visual Warning Front Upper - (5) "Cool Dur" (2) Front Wall Configuration Must pick proper lighting from menu.	1	RR1
10-01-2010		-- Marker/Clearance Lights, Front - Whelen OS Mini LED, Amber	1	RR1
10-01-2110		-- Marker/Clearance Lights, Side and Rear - Whelen OS Mini LED, Red/Amber	1	RR1
		ADDITIONAL EMERGENCY LIGHTS	1	RR1
09-01-110	< >	Warning Light Flasher - Vanner 9860CPE - (STANDARD) Smart Display/PC System Vanner 9860CPE Halogen /LED electronic flasher to power specified lights. Four flash patterns available: (Alternate flash, Triple burst, Quad burst, double burst.) Standard will be dual Burst Flash unless otherwise noted.	1	RR
09-00-3300		-- Emergency Flashers Set to - KICK-A-1822F Flash Pattern (STANDARD)	1	RR
09-95-1201	<	Whelen 900 LED, w/Chrome Flange - RED w/ Clear Lens (Internal Flasher) Front Body - Upper Curbside Outer = IATS Front Body - Upper Streetside Outer = IATS Rear Body - Upper Streetside Inner = IATS Rear Body - Upper Curbside Inner = IATS (Rear upper to have (4) Red 7x9 and (3) 3x7-Load/A/Load) Rear Body - Center Streetside Window = IATS Rear Body - Center Curbside Window = IATS	6	RR1
09-95-1201	<	Whelen 900 LED, w/Chrome Flange - RED w/ Clear Lens (Internal Flasher) Front Body - Upper Curbside Corner = ILOS Front Body - Upper Streetside Corner = ILOS Rear Body - Upper Streetside Corner = ILOS Rear Body - Upper Curbside = ILOS Streetside Body - Upper Forward = ILOS Streetside Body - Upper Rear = ILOS Curbside Body - Upper Forward = ILOS Curbside Body - Upper Rear = ILOS	8	RR1
09-95-1204	<	Whelen 900 LED, w/Chrome Flange - WHITE (Internal Flasher) Front Body - Upper Curbside Outer = IATS Front Body - Upper Streetside Outer = IATS	2	RR1
09-95-1204	<	Whelen 900 LED, w/Chrome Flange - WHITE (Internal Flasher) Front Body - Upper Center = ILOS	1	RR
09-95-2201	<	Whelen 700 LED - RED w/ Clear Lens (Internal Flasher) Grille - LH Upper Corner = ILOS Grille - RH Upper Corner = ILOS Front Fender Warning - Intersectors - LH Side = ILOS Front Fender Warning - Intersectors - RH Side = ILOS	4	RR1
09-95-2203	<	Whelen 700 LED - AMBER w/ Clear Lens (Internal Flasher) Rear Body - Upper Center = ILOS	1	RR1
09-95-9100		Flange, Whelen, Chrome, 700 series	1	RR1

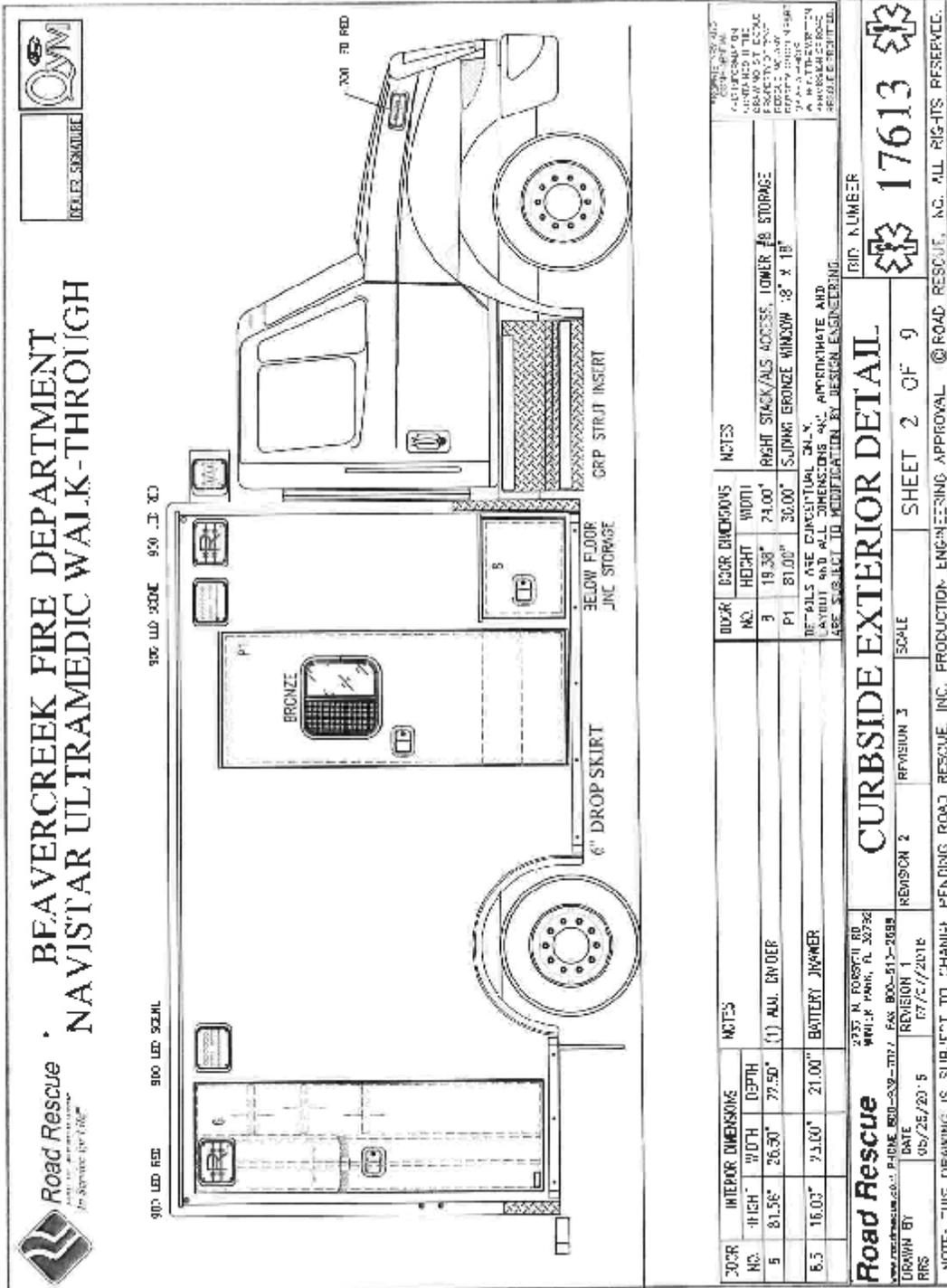


PART NO	\$	DESCRIPTION	QTY	ID
09-95-9250		Housings, Cast, 7x3 Grille, International, 4300 series, Pair	1	RR
09-95-9253		Housings, Cast, 7x3, Intersection, International, 4500-series, Pair	1	RR
		EXTERIOR AUTOMOTIVE LIGHTING	1	RR
10-01-1030	<	Fail Lights, Brake/Turn - Whelen 600-Series, 5MM LED, Must Pick Flag Must pick housings or flanges.	1	RR
10-01-1320	<	1-- Back-up Lights - Whelen 600-Series LED Rear (Max-Intensity), Must Pick Flag Must pick housings or flanges.	1	RR
10-01-2010		1-- Triple Light Cast Housing, 600 Series, Vertical, Pair	1	RR
10-01-5020		1-- Outboard Rear Flashers, Wired to OEM Brake Lights (STANDARD)	1	RR
10-01-7100		1-- Front Turn - Whelen 600-Series LED, Amber Arrow, w/ Flange	1	RR
		FLOOD AND LOAD SYSTEMS	1	RR
10-02-1010		Scene Lighting - (4) Whelen 900 Series Super LED	1	RR
10-02-2030		Rear Hand Lights - (2) Whelen 700 Series Super LED, 12 Diode 8-32° Scans	1	RR
10-02-3010		Lighting Operation - Side Scene, Rear Load and Back-Up Lights, Standard	1	RR
		Cab Entry - Lighting	1	RR
		INTERIOR LIGHTING - CEILING	1	RR
		SPOTLIGHTS / HANDHELD LIGHTS	1	RR
11-02-1000		Handheld Spotlight - Shu-Mc 200,000 CP (STANDARD)	1	RR
11-02-8100	< >	Streamlight Survivor, 110V LOCATE BOTH FLASHLIGHTS IN CHASSIS, REAR OF HAVIS SHIELD CONSOLE	1	RR
11-02-8101	< >	1-- (1) Orange Division 2 - #90043 Must pick quantity and give exact locations, also a wiring code must be picked for each light.	1	RR
11-02-8201	<	1-- (1) Orange Division 2 - #90064 Must pick quantity and give exact locations, also a wiring code must be picked for each light.	1	RR
11-02-9101	<	1-- Wiring For Flashlight - 12V Direct to Battery Must pick quantity and give exact locations, also a wiring code must be picked for each light or for each pre-wire.	1	RR
		SHORELINE INLET	1	RR
12-01-5400		Shore Inlet - Hussman Super Auto-Eject, 20Amp	1	RR
12-01-6200		1-- Hussman, Eject, Cover, 15 or 20A, White	1	RR
12-02-0200		Receptacles, Interior - 110V-15A (1) Artic Wall, (1) Right Stack	1	RR
12-02-2051		1-- Receptacles, Interior - (1) Additional 110V-15A, Upper Right Stack	1	RR
12-02-2100	< >	1-- Receptacles, Interior - (1) Additional 110V-15A, Custom Location (each) LOWER RIGHT STACK	1	RR
		POWER SUPPLY - 110VAC	1	RR
12-03-1110		Inverter Charger - Fenner 1050W, Indicator on Console	1	RR
11-02-0100		Exhaust Fan - 100 CFM Standard Location	1	RR
		COT MOUNTING PROVISIONS	1	RR
14-01-1010		Cot Mounting - Hardware	1	RR
14-01-1110		1-- Post & Wheel Cups - None (STANDARD)	1	RR
14-01-1235	\$ <	1-- Safety Hook - Stryker, Installed SHIPPED LOOSE	1	RR
14-01-1400		1-- Cot Mount - Stryker 6377 Dual Position - Change Notice B - NOT COMPLIANT	1	RR
14-01-3099	<	1-- Non-Compliance to SAE J3027 Patient Cot Mount Notice SPECIAL NOTE: The Litter Fastener/Anchorage you have selected for this order does not meet the performance requirements of the SAE J3027 Recommended Practice for Ambulance Litter Integrity, Retention and Patient Restraint. Section 3.11.6 of KKK-A-1H22F as revised July 1, 2015 specifically relates to Litter	1	RR



PART NO	S	DESCRIPTION	QTY	ID
		Fasteners and Anchorage and requires the installed fastener for wheeled carts to meet the performance requirements of SAE J302 / Recommended Friction for Ambulance Litter Integrity, Retention and Patient Restraint.		
OXYGEN AND AIR SYSTEMS				
14-02-4110		Oxygen System - Smart System II	1	RRJ
14-07-1000		- 02 Cylinder Wrench - (STANDARD)	1	RRJ
14-02-2200	<	- 02 Cylinder Lift - Zira '075' Electric with Multiversal Rack, (UltraMedic) Motor on the right.	1	RRJ
14-02-1000		- 02 Control - Electric with Manual Bypass on Action Wall. (STANDARD)	1	RRJ
14-02-4000		- 02 Outlets - On in Style, (2) Action Wall, (1) Squat Bend: (STANDARD)	1	RRJ
14-02-4700		- 02 Outlet - Relocate (1) Action Wall Outlet to Ceiling	1	RRJ
14-02-7400		- Flowmeter - Ball Type: 02 with Ohmeda (Ultra) Adapter	2	RRJ
14-02-7402	<	- (2) Flow meters	1	RRJ
		(1) SHALL BE TUBE TYPE WITH OHMEDA ADAPTER		
		(1) SHALL BE CEILING WITH OHMEDA DIAL SWITCH		
14-02-SB01	XII <	Supply and Install floor plates for Transafe System (5) Stainless steel floor plates, (1) winch power harness direct-wired to battery (1) set of Transafe Templates	1	
VACUUM SYSTEM				
14-03-1000		Suction System - SUCOR On-Board (STANDARD)	1	RRJ
MISC MEDICAL				
14-04-1000		Fire Extinguisher - 5# (ABC) w/ Mounting Bracket (STANDARD)	1	RRJ
PAINT AND FINISH				
15-00-0100		Road Rescue Paint Process - Standard	1	RRJ
15-01-5000		- Cab Paint - Single Color, OEM White	1	RRJ
15-01-2000	<	-- Module Paint - Single Color, OEM White	1	RRJ
		Head white: P391-YZ Dodge/Chery white: FLMA4738 (2015 Chery Type 1 only-FLMA 41383) International 4300 4400 white: NAV9212- Check chassis spec International Terrastar white: NAV9212(Y)-Check chassis spec Freightliner white: CJA88-GW6 Check chassis spec		
GRAPHICS AND LETTERING				
15-02-8300		Chevron Striping - Entire Rear	1	RRJ
00-00-0247		- ***** OUTSIDE GRAPHICS- 24/7 *****	1	RRJ
15-02-8301		- Colors: Red and White	1	RRJ
15-03-5900		RR Badge Logos (STANDARD)	1	RRJ
15-03-4000		RR Logos and Model Name (STANDARD)	1	RRJ
15-03-4001		UltraMedic - Black Logos	1	RRJ
15-04-1000		Nomenclature Plates, DIESEL (STANDARD)	1	RRJ
16 - REFERENCES AND STANDARDS				
15-01-0200		Owner's Manual (STANDARD)	1	RRJ
57-28-0101	XU	Life-Pak Mount for Life-Pak 12/15, Physio Control, NCE model B7000 SHIP LOOSE	1	
60-18-0620	XU	Chevrons - Reflective (2) color on rear of unit, not on doors	1	
82-01-2345	XU	Custom Lettering to Match Customer's Existing Units	1	
82-60-1234	XU	Custom Stripe to Match Customer's Existing Units	1	
77-77-0000	<	Indemnification Statement The purchaser agrees to defend, indemnify and hold Rev Ambulance Group harmless from any claims, costs (including actual attorneys' fees), damages and liabilities caused in whole or in part by any alteration or modification of, or changes or additions to the purchased products OR use of product for purposes it was not designed or intended for.	1	RRJ
		-- Dealer Provided - EMS Equipment. 2014.026 02/17/16 ==	1	RRJ





**BEAVERCREEK FIRE DEPARTMENT
NAVISTAR ULTRAMEDIC WALK-THROUGH**



DOOR NO.	INTERIOR DIMENSIONS	NOTES	DOOR NO.	DOOR DIMENSIONS	NOTES
5	WIDTH 26.30" DEPTH 77.50"	(1) AUL. ENDOER	3	HEIGHT 19.38" WIDTH 74.00"	RIGHT STACK/AUL ACCESS, LOWER AB STORAGE
6.5	WIDTH 73.60" DEPTH 21.00"	BATTERY JAWNER	P1	HEIGHT 81.00" WIDTH 30.00"	SUPPLY BRONZE WINDOW 18" X 18"

NOTES:
 1. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO MODIFICATION BY DESIGN ENGINEERING.
 2. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO MODIFICATION BY DESIGN ENGINEERING.

Road Rescue
 2335 N. FOREST HILL RD
 WINTER PARK, FL 32786
 WWW.ROADRESCUE.COM FAX: 800-513-2088

DATE: 05/26/2015
 REVISION 1: 07/15/2016
 REVISION 2: [REDACTED]
 REVISION 3: [REDACTED]

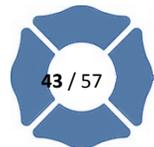
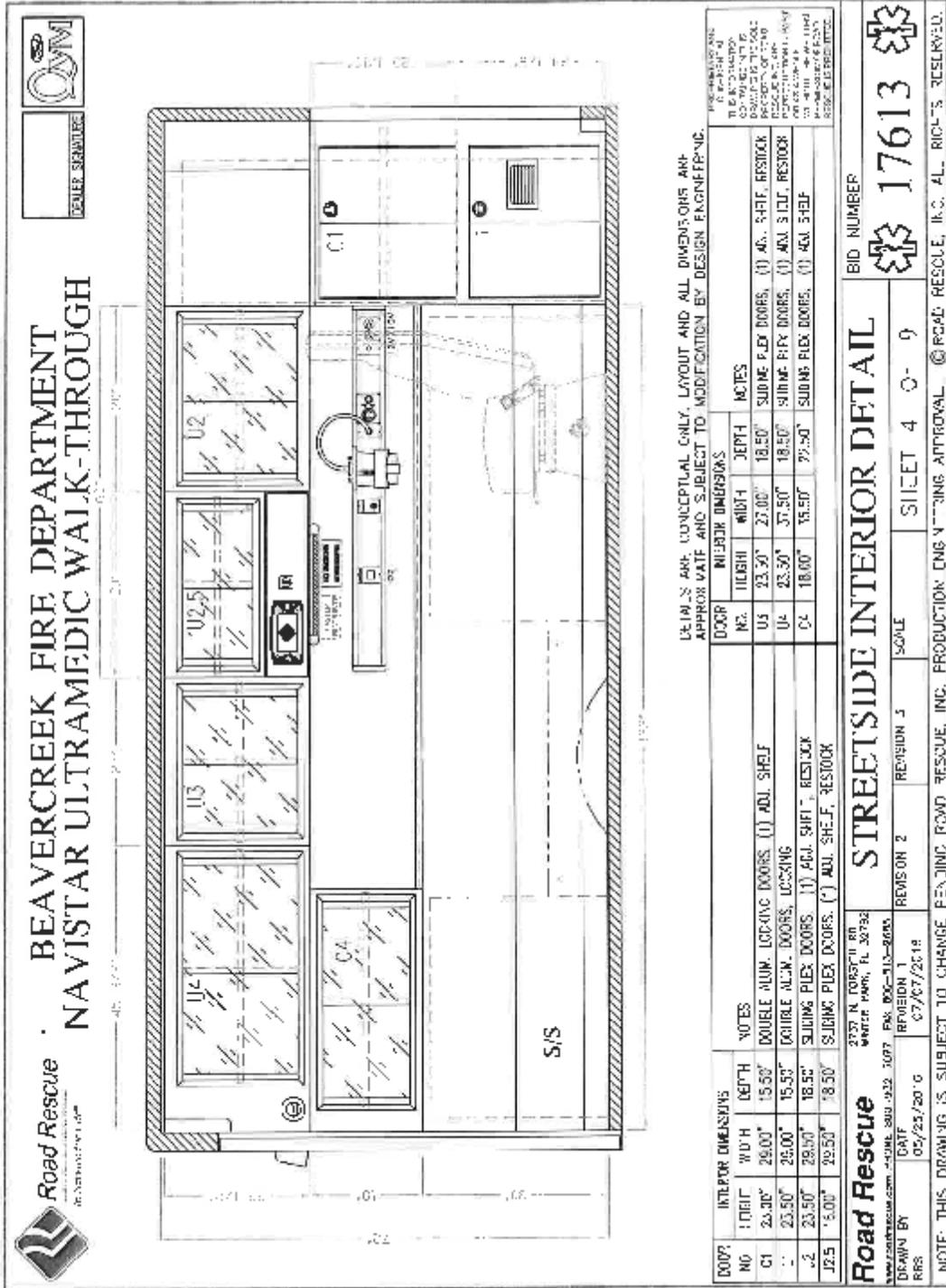
SCALE: SHEET 2 OF 9

CURBSIDE EXTERIOR DETAIL

TRIP NUMBER: **17613**

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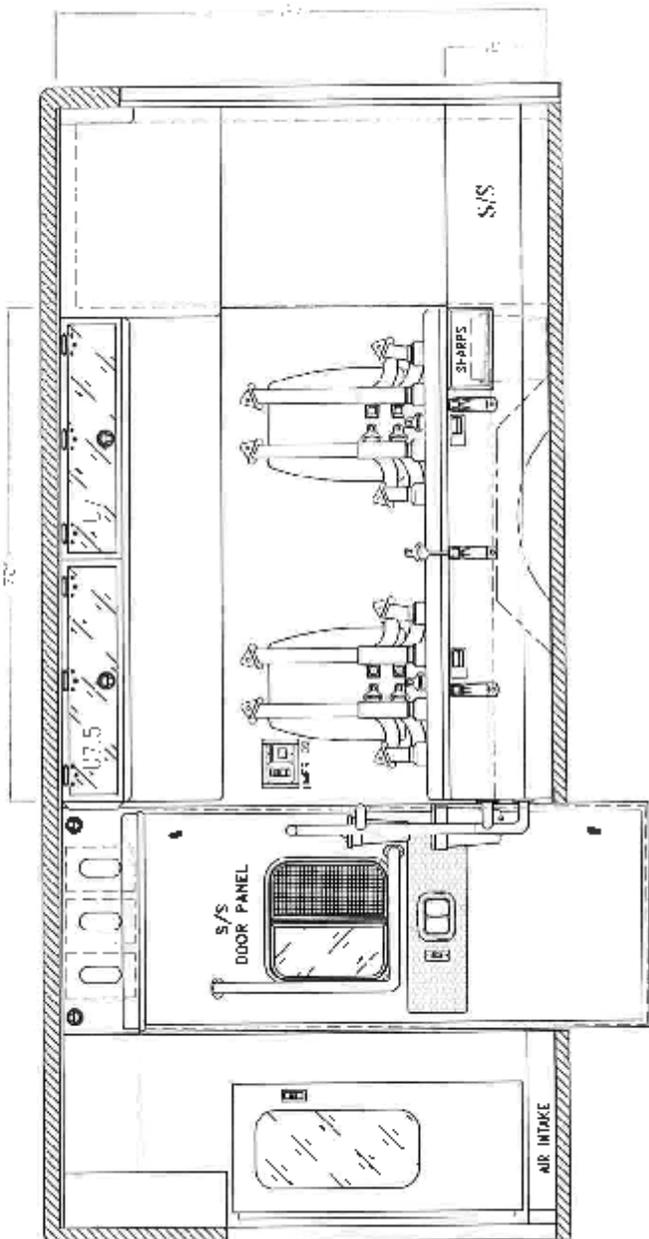


Road Rescue
In Service, On Call

BEAVERCREEK FIRE DEPARTMENT
NAVISTAR ULTRAMEDIC WALK-THROUGH



DESIGNER SIGNATURE



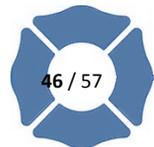
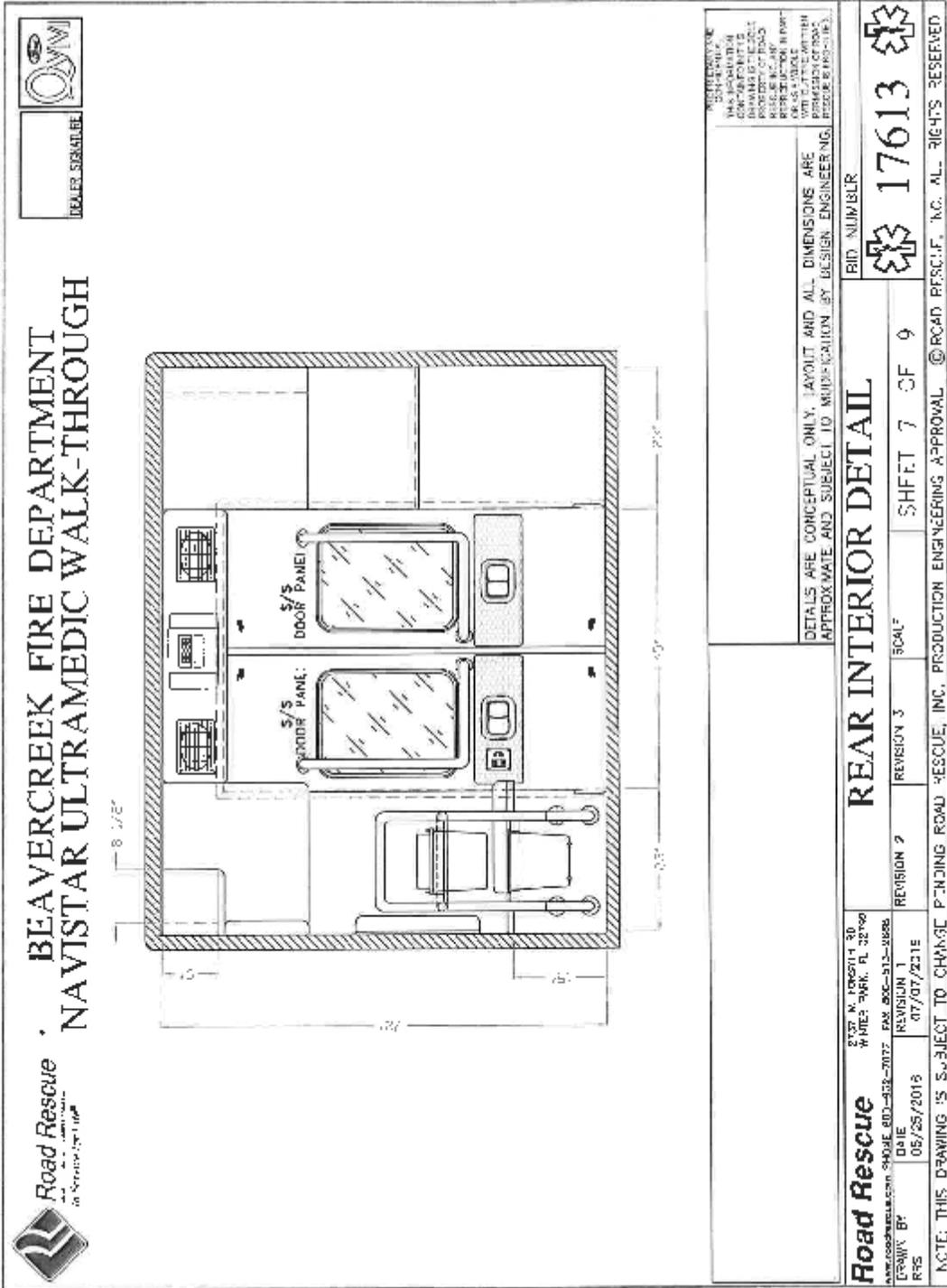
ITEM NO.	INTERIOR DIMENSIONS	NOTES
07	WIDTH 57.00"	DEPTH 8.50"
07.5	WIDTH 35.00"	DEPTH 8.50"

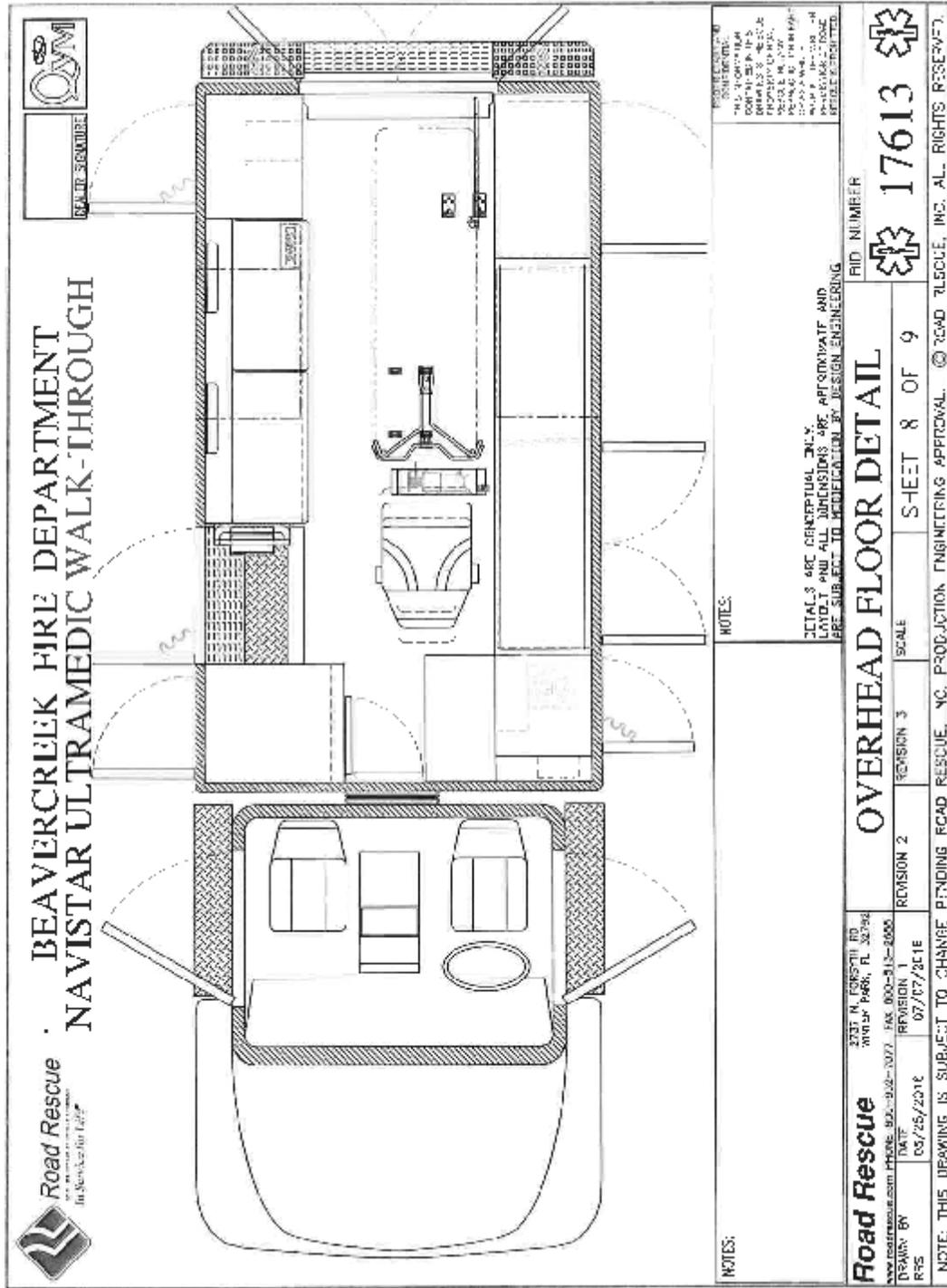
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Road Rescue 2737 N. FRISSCH RD. WINTER PARK, CO. 80196
 970.428.8888 ext. 6000 PHONE 970-329-7977 FAX 970-329-2888
 DRAWN BY: DATE: 05/25/2018
 REVISION 1: 07/07/2016
 REVISION 2: REVISION 3: SCALE: SH-FT 5 OF 9
 PLO NUMBER: 17613

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PUBLIC SAFETY LTE

VML750 LTE VEHICLE MODEM

The VML750 Vehicle Modem harnesses the power of the 3G/4G LTE network, providing the speed, priority, control, and security that government agencies and utilities require. With the capability to fallback from 4G to 3G seamlessly it ensures optimal coverage and performance at all times.

The VML750 is ruggedized to withstand heat, cold, rain, humidity, dust and vibration. With flexible mounting options, it can be installed in a patrol car, fire apparatus, command vehicle, ambulance, mass transit bus, school bus, or utility truck.

A Wi-Fi® hotspot for up to 32 clients can turn the vehicle into a wireless hub and a built-in GPS component can be used for location tracking and route optimization.

Some of the key data applications enabled by the VML750 include CAD incidents, photos, video, blueprints, biometrics, GPS location, reports, telematics, email, and record searches.

KEY BENEFITS

- Connect the vehicle to commercial carrier or private 3G/4G LTE network
- VPN client for added security
- Extend range and performance with roof-mounted external antennas with Multiple-In-Multiple-Out (MIMO) configuration
- Built-in GPS enhances personnel safety and route optimization
- Solid-state, ruggedized design withstands heat, cold, rain, humidity, dust and vibration
- Supports geo-fencing: Location-aware selection of Wi-Fi, 3G or 4G network



DATASHEET | VML750 LTE VEHICLE MODEM



SEE WHAT YOU'RE HEADING INTO
In-Vehicle Video Streaming



BRING DISPATCH INTO YOUR CAR
Mobile Computer Aided Dispatch



KNOW WHO YOU'RE DEALING WITH
Automatic License Plate Recognition



GET YOUR WORK DONE IN THE FIELD
In-Vehicle Reporting



SPECIFICATIONS

4G LTE

Release	3GPP Release 9	
Band Class	<ul style="list-style-type: none"> • Band 1 • Band 2 • Band 3 • Band 4 • Band 5 • Band 7 	<ul style="list-style-type: none"> • Band 8 • Band 13 • Band 14 • Band 20 • Band 26 • Band 28
Output Power	23 dBm effective radiated power (ERP)	
Bandwidth	5 MHz, 10 MHz	
Modulation	QPSK, 16QAM uplink QPSK, 16QAM and 64QAM downlink	

3G

Band Support	<ul style="list-style-type: none"> • UMTS Band 1 • UMTS Band 2 • UMTS Band 4 • UMTS Band 5 	<ul style="list-style-type: none"> • UMTS Band 8 • EVDO Rev. A Band 0 • EVDO Rev. A Band 1 • EVDO Rev. A Band 10
Output Power (TRP)	23-24 dBm	
Modulation	QPSK, 16QAM	

CONNECTIVITY

Wi-Fi Connectivity	802.11b/g/n 2.4 GHz Device can act as access point or client Up to 32 Wi-Fi devices 50 m (164 ft) line-of-sight
Wired Connectivity	1 Ethernet port (10/100 Mbps, RJ-45) 1 USB 2.0 port
WLAN Security	WPA, WPA 2, WPA-PSK and WPA-EAP
GPS	Autonomous GPS, Assisted GPS 1 external antenna Supports NMEA, TAMP - PV

ANTENNA CONFIGURATION

Antenna No. 1 contains:	<ul style="list-style-type: none"> • WWAN1 main • WWAN1 div/ Wi-Fi • GPS
Antenna No. 2 contains:	<ul style="list-style-type: none"> • WWAN2 main
Antenna No. 3 contains:	<ul style="list-style-type: none"> • WWAN2 div
Maximum Antenna Height	43 cm (17 in), measured from mounting surface

PHYSICAL CHARACTERISTICS

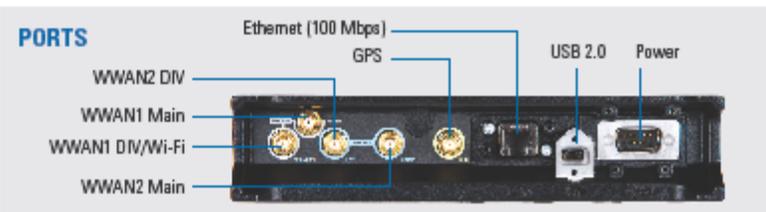
Dimensions	206 x 200 x 45 mm (8.1 x 7.9 x 1.8 in)
Weight	2.5 kg (5.5 lbs)
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)

MANAGEMENT AND SUPPORT

Remote Configuration and Management	OMA-DIM compliant. Field-upgradable via OTAP (over-the-air programming)
Operating System Compatibility	Configuring, controlling, and operating the modem requires software running on Microsoft® Windows® 7 Additional client devices running many operating systems can be connected to the VML750 modem over Ethernet or Wi-Fi.
Security	Optional CRYPTIC FPS-140-2 compliant security storage module VPN IPSEC Tunneling
Regulatory	FCC 47 Part 15, 22, 24, 27, 90 KC Type Approval CE, TRA R&TTE Directive 1999/5/EC Anatel, Subtel, Ifotel, Minicom, Mintel Safety EN60950-1 RoHS Directive 2002/95/EC
Carrier Certifications	GCF, PTCRB, VoW, AT&T
Power	11.0 - 33.0 VDC

ENVIRONMENTAL

Ingress Protection	IP66 (protected against dust and powerful water jets)
MIL-STD 810G	Salt 508.5 Proc. 1 Mechanical SHOCK 516.6 Proc. 1 Functional Vibration 514.6 Proc. 1, Category 4 Random Solar Radiation 505.5 Proc. 1 Low Pressure (Altitude) Operation 500.5 Proc. 1, II
Warranty and Service	One year limited warranty Available Service from the Start support program <ul style="list-style-type: none"> • Covers defects and normal wear and tear • Delivers technical support response within 4 hours • Reduced repair turnaround time • Available in 2-, 3- and 5-year increments



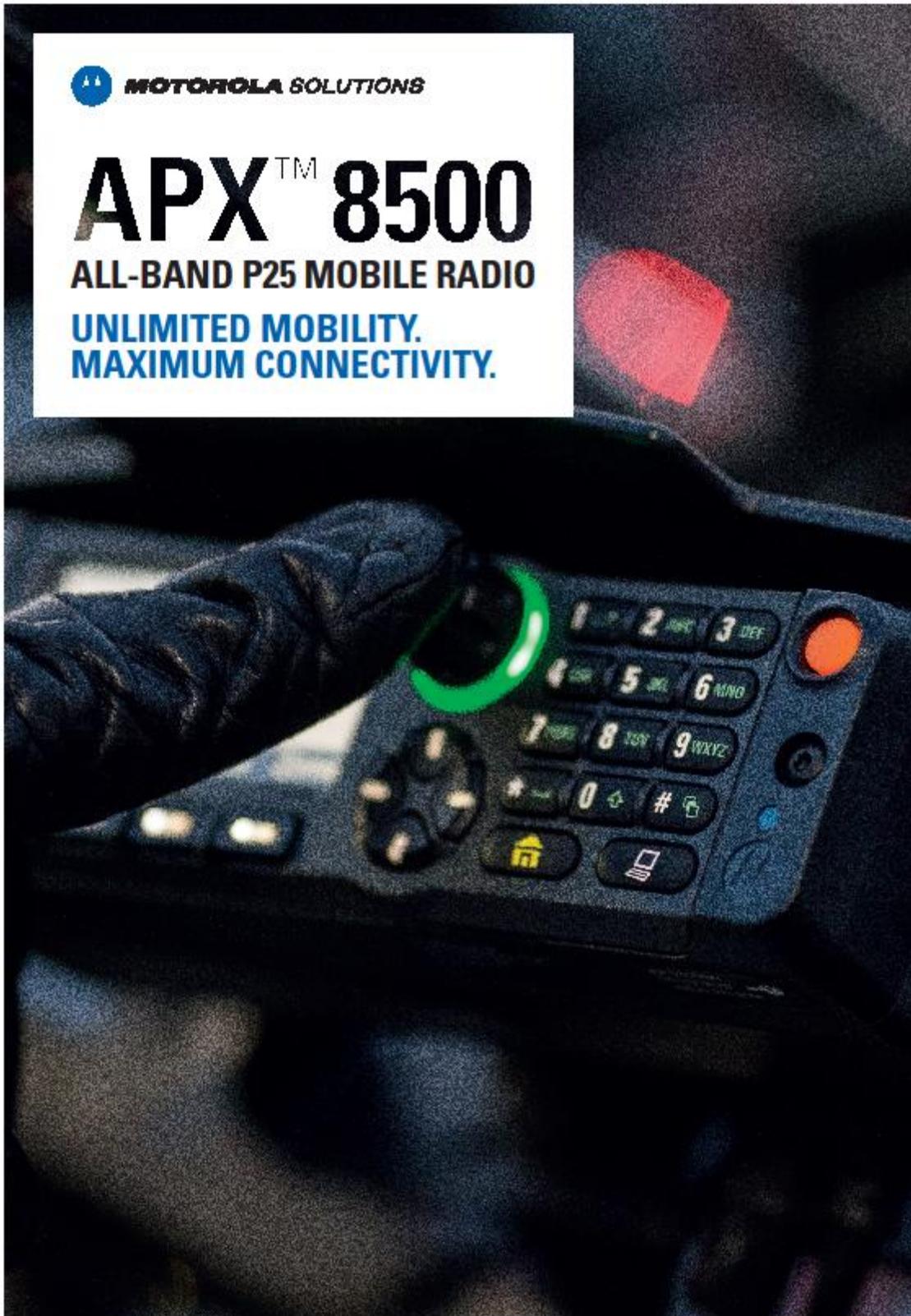
Motorola Solutions, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A. motorolasolutions.com/LTE

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DATASHEET | VML750 LTE VEHICLE MODEM





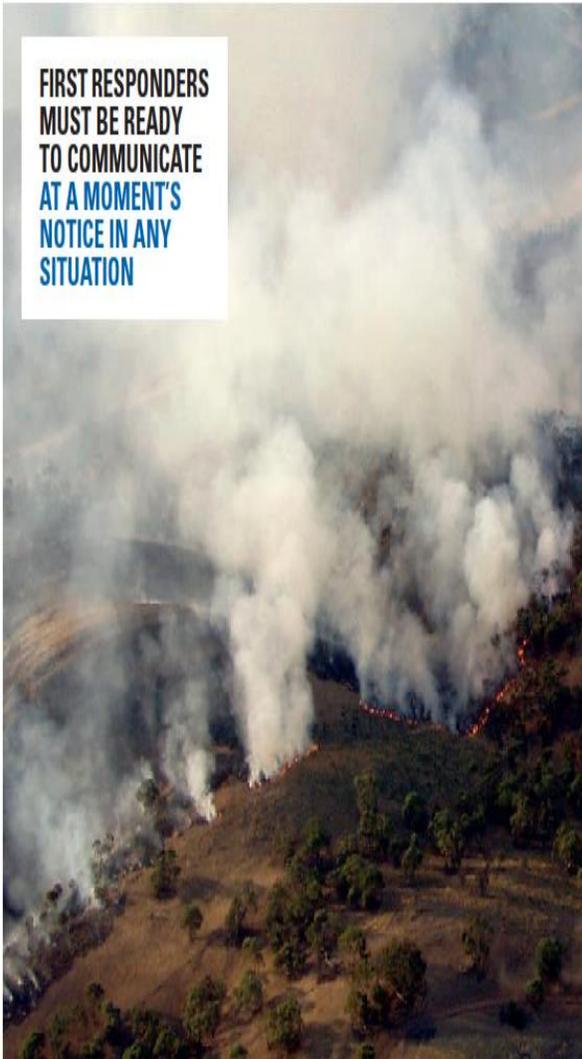
 **MOTOROLA SOLUTIONS**

APX™ 8500

ALL-BAND P25 MOBILE RADIO

**UNLIMITED MOBILITY.
MAXIMUM CONNECTIVITY.**

**FIRST RESPONDERS
MUST BE READY
TO COMMUNICATE
AT A MOMENT'S
NOTICE IN ANY
SITUATION**



The APX 8500 all-band mobile radio enables first responders to use a single mobile radio to exchange critical voice and data communications seamlessly with multiple agencies and jurisdictions operating on different radio bands.

The APX 8500 combines unlimited interoperability, secure Wi-Fi® connectivity and purpose-built design enabling ease of installation and removal. It can easily connect to the VML750 LTE vehicle modem via micro USB interface and utilize the (4G/3G) commercial network to create an in-vehicle ecosystem for offloading data applications in the field increasing the safety and efficiency of public safety users in and around the vehicle.

KEY FEATURES

- All-band functionality expands voice and data communications across multiple agencies
- Secure Wi-Fi configures the APX 8500 all-band mobile radio with software updates in seconds
- Mission Critical Geofence ensures fast communication across personnel arriving on-scene
- Leverage LTE network (4G/3G) with VML 750 and Sierra Wireless GX450 (sold separately)
- Purpose built design for ease of installation and removal
 - Available in dash, remote, motorcycle, and control station configurations
 - Compatible with 09, 07, 05, 03, and 02 control heads
 - IP56 and MILSTD 810 Rated G

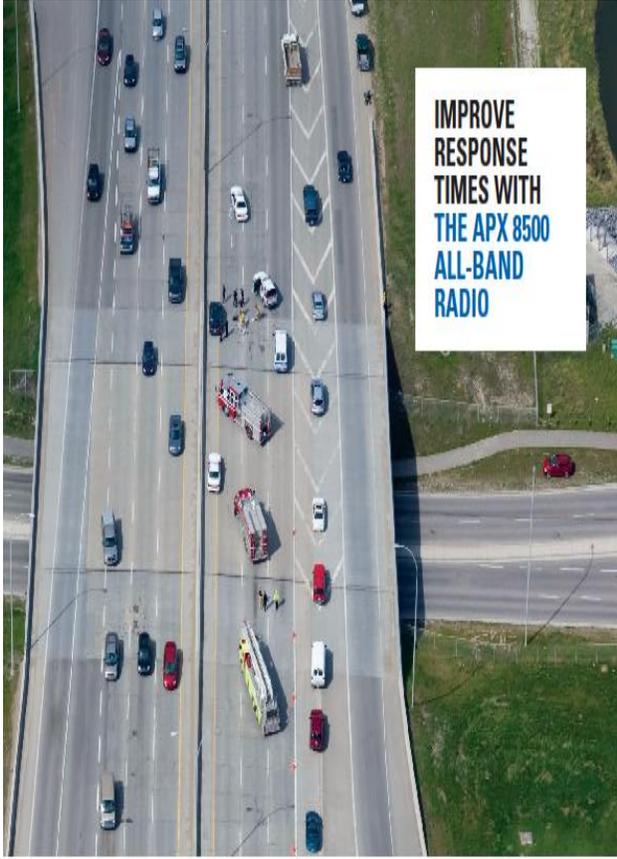


APX 8500
UNLIMITED MOBILITY.
MAXIMUM CONNECTIVITY.

During an emergency - a highspeed chase, massive traffic accident, or natural disaster - public safety officials from different agencies must be able to effectively communicate with each other to coordinate personnel and improve response time.



PRODUCT DATA SHEET | APX 8500 ALL-BAND P25 MOBILE RADIO



ALL-BAND

Unlimited Mobility

With a 4-in-1 mobile radio and an all-band antenna, you now have the ability to stay connected and expand voice and data communications across multiple agencies with one device. Improve response time by instantly operating on digital or analog networks, in 7/800, VHF, UHF Range 1 and UHF Range 2 bands at any given time.



SECURE Wi-Fi

Voice and Data, All at Once

Update your radio fleet without interrupting voice communications with secure Wi-Fi. This dramatically improves the speed of configuring new codeplugs, firmware and software features over-the-air via Radio Management*. Agencies can pre-provision up to 20 secure Wi-Fi hotspots so personnel can easily access updates at the facility or in the field.



MISSION CRITICAL GEOFENCE

Seamless On-scene Communication

Ensure fast and seamless communication and collaboration across all responders arriving on a scene. Mission Critical Geofence (also referred to as Enhanced Geoselect) automatically changes a radio's active talkgroup based on its GPS location and an agency-defined virtual barrier. For example, an incident commander can create a geofence around the 3-block radius of a burning building so that all arriving first responders are automatically placed in the same talkgroup.



DATA MODEM CONNECTION

Leverage LTE network

The APX 8500 can easily connect to the VML750 LTE vehicle modem via micro USB interface. The VML750 provides cellular camera network (4G/3G) access so personnel have the flexibility to instantly offload/update the APX 8500 with radio data software applications such as: GPS, OTAR (over-the-air-rekeying), advanced messaging solution (text message), firmware refreshes, flashport, etc. without voice interruption. Fall back on Integrated Voice and Data (IV&D) when the cellular network is unavailable.



PURPOSE-BUILT DESIGN

Ease of Installation and Removal

Since vehicle space is limited for communication equipment, we designed the APX 8500 to allow for all cables to be wired on one side of the mobile, providing additional flexibility for installation. Agencies can also reuse the existing mounting holes, cables and install space of an APX 7500 mobile for easier access, installation and removal. The mid-power trunion was completely redesigned to provide better engagement into the tray and secure grip. The APX 8500 supports dash, remote, motorcycle, and control station configurations.



APX 8500 All-Band Mobile Radio



VML750 LTE Vehicle Modem

*Radio Management application simplifies APX radio configuration and management by programming up to 16 radios at one time and tracking which radios have been successfully programmed, providing a clear view of the entire radio fleet and a codeplug history for each radio.

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APX 8500 ALL-BAND P25 MOBILE RADIO SPECIFICATIONS

MOBILE MILITARY STANDARDS 810 C, D, E, F & G										
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I, II	501.2	IA1, IIA1	501.3	IA1, IIA1	501.4	IAHex, IIV Hex	501.5	IA1, II
Low Temperature	502.1	I	502.2	IVC2, IVC1	502.3	IVC2, IVC1	502.4	IVC2, IVC1	502.5	IVC2, II
Temperature Shock	503.1	I Proc.	503.2	IVAVC2	503.3	IVAVC2	503.4	I	503.5	IVC
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	IA1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	I Proc.	507.5	II/Approved
Salt Fog	508.1	I Proc.	508.2	I Proc.	508.3	I Proc.	508.4	I Proc.	508.5	I Proc.
Blowing Dust	510.1	I	510.2	I, II	510.3	I, II	510.4	I, II	510.5	I, II
Vibration	514.2	WII/F, Curve-W	514.3	IV10, IV3	514.4	IV10, IV3	514.5	IV24	514.6	IV24
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI

ENCRYPTION

Supported Encryption Algorithms	AOP, AES, DES, DES-XL, DES-CFB, DVP-XL
Encryption Algorithm Capacity	II
Encryption Keys per Radio	Module capable of storing 1024 keys. Programmable for 128 Common Key Reference (CKR) or 16 Physical Identifier (PII)
Encryption Frame Re-sync Interval	P25 CA1 300 mSec
Encryption Keying	Key Loader
Synchronization	XL - Counter Addressing CFB - Output Feedback
Vector Generator	National Institute of Standards and Technology (NIST) approved random number generator
Encryption Type	Digital
Key Storage	Tamper protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS 140-2 Level 2 FIPS 187

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C / +50°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 601-2 KV

FCC/IC TYPE ACCEPTANCE ID

FCC/IC ID	BAND AND POWER LEVEL
FCC ID: A2483PT7089	764-776 MHz (10-20 Watts)
IC ID: 10949-02177089	794-806 MHz (10-20 Watts)
	800-824 MHz (10-25 Watts)
	851-870 MHz (10-25 Watts)
	136-174 MHz (10-50 Watts and 25-110 Watts)
	380-470 MHz (10-40 Watts and 25-110 Watts)
	450-485 MHz (10-45 Watts)
	485-512 MHz (10-40 Watts)
	512-520 MHz (10-25 Watts)

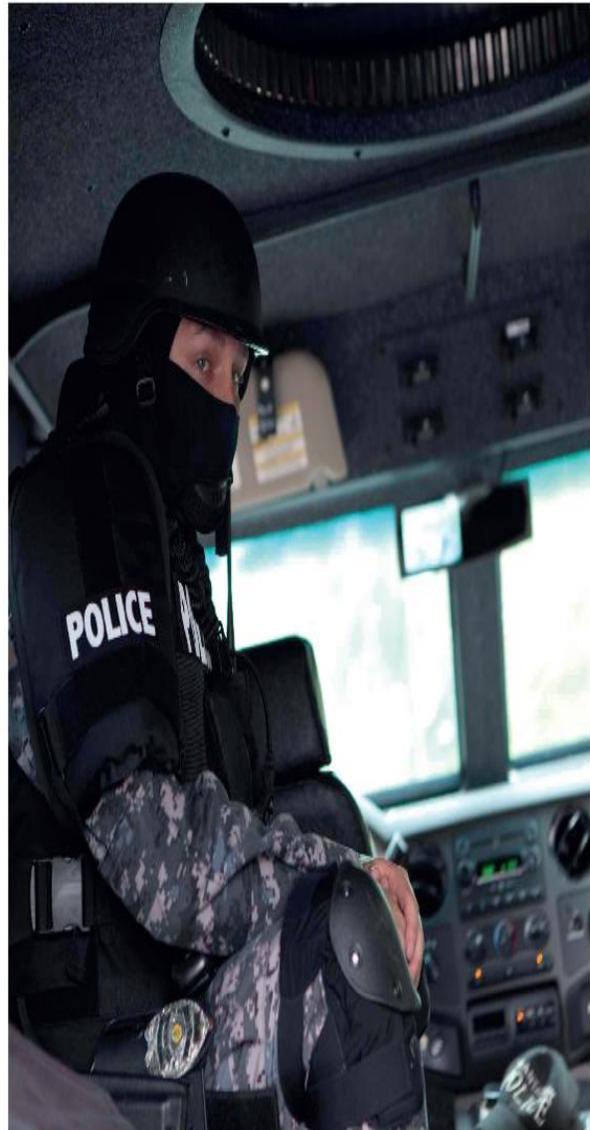
¹ Measured in the analog mode per TA / SA 602 single-tone method under nominal conditions

² Measured conductivity with > 6 satellites visible at a nominal +130 dBm signal strength. Specs provided are 95th percentile values.

³ Specs includes performance for the non-ENX/ENSS bands

⁴ Output power in to II and 2.2. Other external speakers respectively

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.



APX 8500
UNLIMITED MOBILITY.
MAXIMUM CONNECTIVITY.



APX 8500 ALL-BAND P25 MOBILE RADIO SPECIFICATIONS

SIGNALLING (ASTRO MODE)	
Signalling Rate	9.6 kbps
Digital ID Capacity	10,000 Conventional / 48,000 Trunking
Digital Network Access Codes	4,096 network site addresses
ASTRO Digital User Group Addresses	4,096 network site addresses
Project 25 - CAI Digital User Group Addresses	65,000 Conventional / 4,094 Trunking
Error Correction Techniques	Conv. BCH, Reed-Solomon codes
Data Access Control	Slotted CSMA; Utilizes infrastructure-sourced data status bits embedded in both voice and data transmissions.

	MOBILE APX 8500	
	Inches	Millimeters
Mid Power Radio Transceiver	2 x 7 x 8.4	50.8 x 178 x 213
O5 Control Head	2 x 7 x 2.93	50.8 x 178 x 74.4
O2 Control Head	2.7 x 8.1 x 3.8	68.4 x 206.3 x 96.4
O7 Control Head	2 x 7 x 3.2	50.8 x 178 x 81.4
Mid Power Radio Transceiver and O5 Control Head - Dash Mount	2 x 7 x 9.8	50.8 x 178 x 250
Mid Power Radio Transceiver and O2 Control Head - Dash Mount	2.7 x 8.1 x 10.7	68.4 x 206.3 x 270.8
Mid Power Radio Transceiver and O7 Control Head - Dash Mount	2 x 7 x 10.1	50.8 x 178 x 255.5
Mid Power Radio Transceiver and Remote Mount	2.8 x 7 x 8.1	50.8 x 178 x 221.5
	lbs	kg
Mid Power Radio Transceiver and O5 Control Head Weight	6.8 lbs	3.1 kg
Mid Power Radio Transceiver and O2 Control Head Weight	7.23 lbs	3.28 kg
Mid Power Radio Transceiver and O7 Control Head Weight	6.8 lbs	3.1 kg

	TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS					
	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	
Frequency Range/Bandwidths	764-776, 794-806 MHz 806-825, 851-870 MHz	764-776, 794-806 MHz 806-825, 851-870 MHz	136-174 MHz	300-470 MHz	450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	30/25/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandplit	Full Bandplit	Full Bandplit	Full Bandplit	Full Bandplit	
Rated RF Output Power Adj ¹	1-30 Watts	1-35 Watts	1-50 Watts	1-40 Watts	1-45 Watts (450-485 MHz) 1-40 Watts (485-512 MHz) 1-25 Watts (512-520 MHz)	
Frequency Stability ³ (-30°C to +85°C, +25°C Ref.)	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	
Modulation Limiting ³	±5 kHz / ±2.5 kHz	±5 kHz / ±4 kHz (NFS/PA) / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	
Modulation Fidelity (CFM) 12.5kHz Digital Channel	1.10%	1.10%	1.10%	1.10%	1.10%	
Emissions ⁴	Conducted -75/-85 dBc	Radiated -20/-40 dBm	Conducted -75 dBc	Radiated -20 dBm	Conducted -85 dBc	Radiated -20 dBm
Audio Response ⁵	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	
FM Hum & Noise ⁶	25 kHz 50 dB 12.5 kHz 48 dB	50 dB 48 dB	50 dB 52 dB	50 dB 50 dB	50 dB 50 dB	
Audio Distortion ⁷	25 & 20 kHz 12.5 kHz	0.50% 0.50%	0.50% 0.50%	0.50% 0.50%	0.50% 0.50%	

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APX 8500 ALL-BAND P25 MOBILE RADIO SPECIFICATIONS

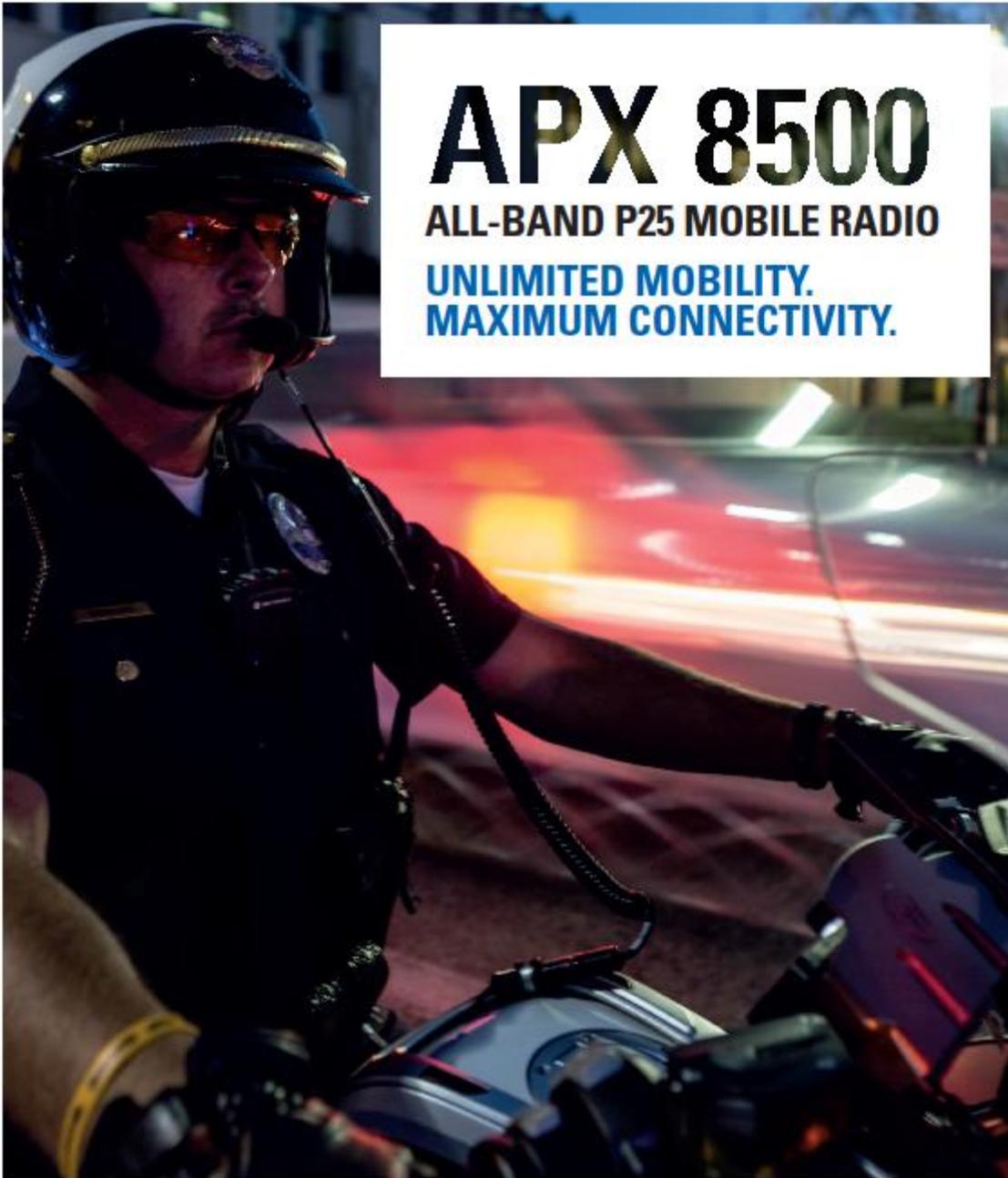
	RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS					
	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	
Frequency Range/Bandwidths	764-776 MHz	851-870 MHz	136-174 MHz	300-470 MHz	450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	30/25/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandplit	Full Bandplit	Full Bandplit	Full Bandplit	Full Bandplit	
Audio Output Power at 3% distortion ¹	7.5 W or 15 W ⁴	7.5 W or 15 W ⁴	7.5 W or 15 W ⁴	7.5 W or 15 W ⁴	7.5 W or 15 W ⁴	
Frequency Stability ³ (-30°C to +85°C, +25°C Ref.)	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	
Analog Sensitivity ¹ 12 dB SINAD	-121 dBm	-121 dBm	Pre-Amp -122 dBm	Standard -119 dBm	Pre-Amp -123 dBm	Standard -119 dBm
Digital Sensitivity	9% BER -121.5 dBm	-121.5 dBm	-122 dBm	-119 dBm	-123 dBm	-119 dBm
Intermodulation	25 kHz 85 dB 12.5 kHz 85 dB	85 dB 85 dB	84 dB 85 dB	85 dB 83 dB	82 dB 83 dB	85 dB 86 dB
Spurious Rejection	100 dB	100 dB	90 dB	90 dB	90 dB	
Audio Response ⁵	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	+1, -3 dB (EA)	
Audio Distortion at rated ⁷	1.20%	1.20%	1.20%	1.20%	1.20%	
Selectivity ⁸	25 kHz 85 dB 12.5 kHz 72 dB 30 kHz —	85 dB 85 dB	87 dB 76 dB 90 dB	82 dB 76 dB	82 dB 76 dB	

POWER AND BATTERY DRAIN	
Model Type	136-174 MHz, 300-470 MHz, 450-520 MHz, 764-870 MHz
Minimum RF Power Output	1-35 Watts (764-870 MHz), 1-50 Watts (10-40W, 1-45Watts (450-485 MHz), 1-40Watts (485-512 MHz), 1-25Watts (512-520 MHz)
Operation	13.0V DC ±20% Negative Ground
Standby at 13.0V	1 AA (764-870 MHz), 1 AA (136-174 MHz), 1 AA (300-470 MHz), 1 AA (450-520 MHz)
Receive Current at Rated Audio at 13.0V	2.2A (764-870 MHz), 2.2A (136-174 MHz), 2.2A (300-470 MHz), 2.2A (450-520 MHz)
Transmit Current (A) at Rated Power	136-174 MHz (1-50 Watt) 1.5A (50W) 8A (15W) 300-470 MHz (1-40 Watt) 1.5A (40W) 8A (15W) 450-520 MHz (1-45 Watt) 1.3A (45W) 8A (15W)

GPS SPECIFICATIONS	
Channels	12
Tracking Sensitivity	-164 dBm
Accuracy ²	<5 meters (95%)
Cold Start	<60 seconds (95%)
Hot Start	<5 seconds (95%)
Mode of Operation	Autonomous (Non-Assisted) GNSS or SBAS

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APX 8500

ALL-BAND P25 MOBILE RADIO

UNLIMITED MOBILITY.
MAXIMUM CONNECTIVITY.

For more information, please visit: www.motorolasolutions.com/APX8500

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APX 8500 ALL-BAND P25 MOBILE RADIO CONTROL HEAD PORTFOLIO



02 RUGGED CONTROL HEAD	03 HAND HELD CONTROL HEAD	05 STANDARD CONTROL HEAD	07 ENHANCED CONTROL HEAD	09 INTEGRATED CONTROL HEAD
Large color display with intelligent lighting	Large color display with intelligent lighting	Tri-color display with intelligent lighting	Large color display with intelligent lighting	Extra-large full color display with intelligent lighting
3 lines of text 14 characters max / 1 line of icons / 1 line of menus	2 lines of text 14 characters max / 1 line of icons / 1 line of menus	2 lines of text 14 characters max / 1 line of icons / 1 line of menus	3 lines of text 14 characters max / 1 line of icons / 1 line of menus	2 lines of text 14 characters max / 1 line of icons / 1 line of menus
Built in 7.5 watt speaker	Integrated full size DTMF keypad	Available with keypad microphone	Available with lighting & siren controls or DTMF keypad	Integrated full size DTMF keypad
Multiple control head configuration (up to 4)	Hand-held control head with intuitive user interface	Multiple control head configuration (up to 4)	Multiple control head configuration (up to 4)	Large programmable one-touch buttons
Motorcycle configuration available	Two quick-access side buttons	Motorcycle configuration available	Configuration available	Dedicated siren controls
Multi-function volume/channel knob	Display contrast selector	Display contrast selector	Multi-function volume/channel knob	Integrated response selector
Night/day mode button			Night/day mode button	Night/day mode button

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APX 8500 ALL-BAND P25 MOBILE RADIO SPECIFICATIONS

RF BANDS

700/800 MHz, VHF, UHF Range 1 & UHF Range 2
 9600 Baud Digital APCO P25 Phase 1 FDMA and Phase 2 TDMA Trunking
 3600 Baud SmartZone®, Omnilink Trunking
 Digital APCO 25, Conventional, Analog MDC 1200, Quick Call II System Configurations
 Narrow and Wide Bandwidth
 Digital Receiver
 16.25 kHz equivalent/25/20/12.5 kHz¹

STANDARD FEATURES

All-Band Antenna
 Up to 3000 Channels
 Text Messaging
 ASTRO 25 Integrated Voice & Data
 Dynamic Zone
 Integrated GPS/GLONASS for Outdoor Location Tracking
 Single-key ADP Encryption
 Software Key
 Radio Profiles
 Unified Call List
 Expansion Slot Standard
 Meets Applicable MIL-specs 810C, D, E, F and G
 IP56
 Reuse of Most XTU/APX™ Accessories

PROGRAMMING

Utilizes Windows 7, 8 and 10 Customer Programming Software (CPS) with Radio Management²

OPTIONAL FEATURES

Wi-Fi 802.11 b/g/n
 Data Modem Connection
 Mission Critical Geofence
 12 Character RF ID Asset Tracking
 Multi-key for 128 Keys and MultiAlgorithm Programming Over Project 25 (OTAP)
 Over the Air Rekey (OTAR)
 Digital Tone Signaling
 Siren and Light Interface Module

¹ For the FCC Namebanding rules, new products (APX6000 UHFV, UHF2) submitted for FCC certification after January 1, 2011 are restricted from being granted certification at 25kHz for United States - State & Local Markets only.
² CPS version P12.00.00 and greater ordered after June 2014 will only support Windows 7 and 8.



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