



General Instructions & Notices

- Applicants are directed to "**Regional Fire Services Training Facilities Grant Program Policy**" as amended for the current funding year which is incorporated by reference to all applications and any subsequent awards. (Such practices document is inclusive of all *terms & conditions*.)
- The filing of an application does not bind the Board to award nor the Department to pay any such grant.
- Incomplete applications and those received after the deadline will not be considered.
(Deadline) → **March 1, 2015** *postmarked*
- Completed applications executed by the competent authority will only be accepted directly from jurisdictions not fire departments.
- Timeliness of filing and subsequent receipt by the Agency are solely the applicant's responsibility – all applications must be completed in ink and sent directly to: **VDFP Grants and Local Aid Manager,**
Address → 1005 Technology Park Drive, Glen Allen VA 23059-4500
- All decisions regarding grant awards made by the Board are final; applicants may appeal decisions in writing to the address provided above within 15 business days of the posting of awards.

A. Applicant Information

1. Title of Lead Jurisdiction Making Application (Check <input checked="" type="checkbox"/> only one, then make entry)			County of	
	<input checked="" type="checkbox"/>		City of	<u>Newport News</u>
			Incorporated Town of	
2. Employer Identification Number (EIN)	[REDACTED]			
3. Principal Point of Contact	(Include salutation, name & title.) Mr. Robert O. Craft Jr., Assistant Fire Chief - Training			
4. Mailing Address (Include zip code) Identify COUNTY if appropriate	17300 Warwick Blvd. Newport News, VA 23603			
5. Telephone Number	(757) 969-1800			
6. FAX Number	(757) 969-1844			
7. Internet e-mail address	<u>rcraft@nnva.gov</u>			

B. Additional Parties

	Identify ALL jurisdictions (Not Fire Departments) participating in the proposed project. Attach additional sheets as may be required.
1. Formal Agreement Among Parties	<p>In accordance with Program Policy, multi-jurisdictional regional training partnerships must be documented (e.g. MOA, MOU, etc.) as required supporting documentation to the Application for consideration of Program funding.</p> <p>A copy of the Agreement has been attached to this application. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>If a copy of the Agreement has not been attached as required supporting documentation, this Application will be considered incomplete and funding will not be approved.</i></p>

Department of Fire Programs

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Administration



{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>2</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)									
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>County of</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>City of</td> <td><u>Hampton</u></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input type="checkbox"/>	County of		<input checked="" type="checkbox"/>	City of	<u>Hampton</u>	<input type="checkbox"/>	Incorporated Town of	
<input type="checkbox"/>	County of									
<input checked="" type="checkbox"/>	City of	<u>Hampton</u>								
<input type="checkbox"/>	Incorporated Town of									
2c. Employer Identification Number (EIN)	[REDACTED]									
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. David Layman, Fire Chief									
2e. Mailing Address Identify COUNTY if appropriate	(Include zip code+4) 22 Lincoln St. Hampton, VA 23669									
2f. Telephone Number	(757) 727-6580									
2g. FAX Number	(757) 727-6094									
2h. Internet e-mail address	dlayman@hampton.gov									

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>3</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)									
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td>County of</td> <td><u>James City</u></td> </tr> <tr> <td><input type="checkbox"/></td> <td>City of</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/>	County of	<u>James City</u>	<input type="checkbox"/>	City of		<input type="checkbox"/>	Incorporated Town of	
<input checked="" type="checkbox"/>	County of	<u>James City</u>								
<input type="checkbox"/>	City of									
<input type="checkbox"/>	Incorporated Town of									
2c. Employer Identification Number (EIN)	[REDACTED]									
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. Tal Luton, Fire Chief									
2e. Mailing Address Identify COUNTY if appropriate	(Include zip code+4) 5077 John Tyler Highway Williamsburg, VA 23185 757									
2f. Telephone Number	(##) 220-0626									
2g. FAX Number	(757) 220-9125									
2h. Internet e-mail address	tal.luton@jamescitycountyva.gov									

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>4</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)									
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>County of</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>City of</td> <td><u>Williamsburg</u></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input type="checkbox"/>	County of		<input checked="" type="checkbox"/>	City of	<u>Williamsburg</u>	<input type="checkbox"/>	Incorporated Town of	
<input type="checkbox"/>	County of									
<input checked="" type="checkbox"/>	City of	<u>Williamsburg</u>								
<input type="checkbox"/>	Incorporated Town of									
2c. Employer Identification Number (EIN)	[REDACTED]									
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. W. Pat Dent, Fire Chief									
2e. Mailing Address Identify COUNTY if appropriate	(Include zip code+4) 412 N. Boundary St. Williamsburg, VA 23185									
2f. Telephone Number	(757) 220-6220									
2g. FAX Number	(757) 220-6229									
2h. Internet e-mail address	wdent@williamsburgva.gov									

Department of Fire Programs
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{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>5</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<input checked="" type="checkbox"/> County of <u>York</u> <input type="checkbox"/> City of _____ <input type="checkbox"/> Incorporated Town of _____
2c. Employer Identification Number (EIN)	[REDACTED]
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. Stephen Kopczynski, Fire Chief
2e. Mailing Address Identify COUNTY if appropriate -	(Include zip code+4) 301 Goodwin Neck Rd Yorktown, VA 23602 York
2f. Telephone Number	(<u>757</u>) 890-3600
2g. FAX Number	(<u>757</u>) 890-3609
2h. Internet e-mail address	kopczyns@yorkcounty.gov

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>6</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<input checked="" type="checkbox"/> County of _____ <input checked="" type="checkbox"/> City of <u>Poquoson</u> <input type="checkbox"/> Incorporated Town of _____
2c. Employer Identification Number (EIN)	[REDACTED]
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. Robert Holloway, Fire Chief
2e. Mailing Address Identify COUNTY if appropriate -	(Include zip code+4) 830 Poquoson Ave Poquoson, VA 23662 757
2f. Telephone Number	(<u>##</u>) 868-3510
2g. FAX Number	(<u>757</u>) 868-3514
2h. Internet e-mail address	rholloway@poquoson-va.gov

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{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <u>7</u> of a total of <u>7</u> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make	<input type="checkbox"/> County of <u>U. S. Army Transportation Base - Ft. Eustis</u> <input type="checkbox"/> City of _____ <input type="checkbox"/> Incorporated Town of _____
2c. Employer Identification Number (EIN)	[REDACTED]
2d. Principal Point of Contact	(Include salutation, name & title.) Mr. Dale Hankins, Fire Chief
2e. Mailing Address Identify COUNTY if appropriate -	(Include zip code+4) Building 648 Jackson Ave Ft Eustis, VA 23604
2f. Telephone Number	(<u>757</u>) 878-4281
2g. FAX Number	(<u>757</u>) 878-3592
2h. Internet e-mail address	



C. Previous Applications/Awards

1.	Has the Applicant previously applied for a RFSTF Grant from the Board? - check <input checked="" type="checkbox"/> one	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
2.	Has the Applicant previously received a RFSTF Grant from the Board? - check <input checked="" type="checkbox"/> one	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes

D. Project Title(s) and Description(s) Enter a descriptive 'Title' and brief Description for the lead training project and/or program proposed for funding from any Grant which may be awarded pursuant to this application.

(Project Title)	(Description)
1	Drager Swede Phase 1 - Flashover Class A Prop The Drager Swede Phase 1 is a Class A flashover simulator which allows for comprehensive fire behavior training for the Peninsula region's incumbent and recruit firefighters. The simulator system meets or exceeds NFPA 1001, 1403 & 1500.
Which statement best describes the above proposed project and/or program? check <input checked="" type="checkbox"/> one <input type="checkbox"/> New <input type="checkbox"/> Change to existing <input type="checkbox"/> Continuing	
Which statement best describes how many training programs may benefit from the proposal? check <input checked="" type="checkbox"/> one <input checked="" type="checkbox"/> Multiple Programs <input type="checkbox"/> Single Program	
Describe the impact on training if this Grant is not awarded, or check <input checked="" type="checkbox"/> No Significant Impact Currently, the Peninsula Regional Burn Building partnership does not have the capability to demonstrate the concepts delivered during the fire behavior section of the FF I & II program with relation to flashover. As the Hampton Roads area incorporates the principles of fire dynamics and fire flow, the training at the recruit and incumbent level will be severely hampered without this grant award and project.	
<input type="checkbox"/> ← Check <input checked="" type="checkbox"/> IF a Continuation D Sheet is used to account for more than one (1) project / program. IMPORTANT, if box above is checked and no continuation sheets are attached, the application will not be further considered.	

E. Project Goods & Services Requested In the below table, itemize in priority order – starting with the most needed first, ALL items of "Goods" (e.g. equipment, hardware or other durable items) or categories of "Services" which are to be funded in whole or in part from any Grant which may be awarded pursuant to this application.

Enter Project Title from [D] above	Check <input checked="" type="checkbox"/> One	Description	Total Cost	Less any Matching Funds	Grant Amount Requested
1	<input checked="" type="checkbox"/> Goods <input type="checkbox"/> Services	Class A flashover simulator. This item includes the flashover simulator, a 2-day Train-the-Trainer program for 10 employees and shipping for the system.	(a) \$ 48,795.00	(b) \$ 9,759.00	(a-b) \$ 39,036.00
2	<input type="checkbox"/> Goods <input type="checkbox"/> Services		(a) \$ -	(b) \$ -	(a-b) \$ -
3	<input type="checkbox"/> Goods <input type="checkbox"/> Services		(a) \$ -	(b) \$ -	(a-b) \$ -
4	<input type="checkbox"/> Goods <input type="checkbox"/> Services		(a) \$ -	(b) \$ -	(a-b) \$ -
5	<input type="checkbox"/> Goods <input type="checkbox"/> Services		(a) \$ -	(b) \$ -	(a-b) \$ -
<input type="checkbox"/> ← Check <input checked="" type="checkbox"/> IF a Continuation D Sheet is used to account for more than one (1) project / program. IMPORTANT, if box above is checked and no continuation sheets are attached, the application will not be further considered.					

E	Enter here the lesser amount of: • Sum of all items (1 thru n) under "Grant Amount Requested" • OR \$50,000 (Grant maximum)	\$ 39,036.00
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Administration

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Department of Fire Programs



F. Matching/Cost Share

1	Which statement best describes the matching funds contributions? <i>check <input checked="" type="checkbox"/> one</i>	<input type="checkbox"/> 50% or More	<input checked="" type="checkbox"/> Less than 50%	<input type="checkbox"/> None
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G. ATL Funding

1	What is the amount of the Applicant's FY-2014 Aid to Localities (ATL) allocation from the Fire Programs Fund? <i>check <input checked="" type="checkbox"/> one and complete as necessary</i>	<input type="checkbox"/> \$10,000 or \$20,000 exactly	<input checked="" type="checkbox"/> Other - Enter amount here	\$ 542,753.00
2	Did the Applicant have cash carry forward from previous years' Aid to Localities (ATL) allocations? <i>check <input checked="" type="checkbox"/> one and complete as necessary</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", amount of FY-2014 ATL carry forward: \$ 609,311.34

Remarks	Make entries or check <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> None	Important - If the sum (1 to n) of individual "Grant Amount. Requested" in E above exceeded \$50,000, an explanation must be entered here as to how the shortfall would otherwise be made up.
	The amount requested does not exceed \$50,000.	
	Please see the attached justification statement for additional details relative to the application for the grant award.	

EFT (EDI)

Grant awards are paid as an **Electronic Funds Transfer / EDI** to the current *account-of-record* for the jurisdiction's annual allocation of Aid to Localities (ATL) from the Fire Programs Fund.

Certification:

To be completed by either:

- County Administrator –or- Executive, City Manager, Town Mayor –or- Administrator; Deputy, or...
- Other duly authorized official whereby the application is accompanied by a copy of an 'Ordinance' or other such formal instrument clearly granting that party such authority.

This grant application is entered on behalf of the APPLICANT jurisdiction identified above with the knowledge and belief that all representations herein made are true and correct; with the understanding that all grant terms & conditions in-force as of the date of such application are hereby included by reference; with the further understanding that if an award is granted pursuant to this application that the recipient is bound by those same terms & conditions.

Signature: James M. Bourcy | Date: 2/20/15
 Printed Name: James M. Bourcy | Title: City Manager

(All applications must be notarized to be considered - incomplete forms shall be returned.)

State of Virginia }
City / County of _____ }

On this ____ day of _____ (month) in _____ (year), before me, the undersigned a Notary Public for the Commonwealth of Virginia, personally appeared _____ to me known (or to me proved) to be the identical person named herein and having in my presence executed the above, and acknowledged that he executed same as his voluntary act and deed.

My Commission expires: _____ Date _____ Notary Public _____ {Seal}

Administration

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Department of Fire Programs

The Newport News Fire Department (NNFD) is a career department that provides fire, EMS, specialty team and emergency management response services to a city that is 23 miles long and three miles wide totaling 69 square miles. Newport News is situated in the Hampton Roads region of Virginia and serves approximately 180,000 citizens. The NNFD has a professional Training Bureau consisting of an assistant chief, two captains, three lieutenants, and one master firefighter. The staff is responsible for training the department's incumbent personnel as well as recruits from the NNFD and the other regional jurisdictions. The NNFD's Training Center encompasses a campus which includes a Class A live-fire training building, a 4-story training tower, a LP gas live fire training prop, a roof ventilation training prop, a confined space training prop, vehicle fire training props, a SCBA maze as well as other portable training props. All of the aforementioned props are part of the Peninsula Regional Burn Building Partnership (Partnership). The Partnership is documented in a Memorandum of Agreement, and aside from the formation of the Partnership, the document addresses the initial financial contribution of each participating jurisdiction as well as the annual contribution of each member.

The NNFD Training Center is the primary location of all recruit Tidewater Regional Fire Academies (TRFA) conducted on the Peninsula. The Partnership allows for a substantial training environment which has developed into a well-equipped facility prepared to deliver all aspects of NFPA 1001 and 1403 required Firefighter I and II. NNFD hosts two TRFAs annually which certifies new firefighters in Firefighter I and II, EVOC, Basic Pumps, Introduction to Technical Rescue Modules I and II, Vehicle I, Communicating with Children, Mayday Firefighter Down, and Mayday Technician. All of the resources utilized for the academies are housed at the Newport News Fire Training Center. Aside from the above noted training props, the training center includes an extensive ladder compliment, SCBA training props, a portable hose bed,

several hydrants, a full hose assortment, drafting tank, hand tools, hydraulic tools, rope and other necessary training articles. The TRFAs are conducted by officers from the above jurisdictions as well as the NNFD training staff and is organized with a director, coordinator (Instructor II minimum), co-coordinator, lead instructor (Instructor II minimum), and TRFA instructors. The academy utilizes the *Jones and Bartlett Fundamentals of Firefighting 3rd Edition* for Firefighter I and II coursework and skill work and culminates with the VA Department of Fire Programs (VDFFP) State Firefighter I and II testing. The academy also utilizes the VDFFP documentation to guarantee adherence to both NFPA 1001 and NFPA 1403.

Incumbent training occurs at the NNFD Training Center as well, and is carried out by both the training staff and the company officers. Training consists of practical scenarios, individual Firefighter I and II skills, live fire exercises, and other techniques and topics. NNFD fire companies are required to complete scenarios at the Training Center on a monthly basis as well as multi-company and multi-jurisdictional training several times a year. The NNFD HAZMAT Team, Technical Rescue Team, Bomb Team, and Marine Incident Response Team also utilize the Training Center for monthly specialty team training. In addition to the NNFD personnel utilizing the Training Center, all surrounding jurisdictions schedule regular incumbent training at this facility. The most common type of training utilized by the regional partners is live fire.

The one aspect that is not provided to the region at the NNFD/Partnership Regional Training Center is that of extreme fire behavior, namely, flashover. If any Peninsula area department would like to utilize a flashover simulator, it must be scheduled on the Southside of the area in Virginia Beach. The ability to accomplish the flashover training requires availability of the simulator as well as transportation of personnel and supplies. Many of the jurisdictions in

the region simply cannot commit in-service units to travel 50 miles out of their jurisdiction to complete the training, therefore, it does not get done. During the TRFA, the only way the recruits will experience this unique phenomenon is we can coordinate one of the few free days with Virginia Beach, provide enough transportation, and travel to their training center. Because of this, it frequently must be omitted from their training.

Flashover is responsible for an unacceptable number of near-misses and deaths in the fire service. In 2013, fire events, including flashover, were the second leading cause of death in firefighters. Structures contain too many materials that are hydrocarbon based and burn much hotter than the legacy fuels as well as much faster. There are too many firefighters who have never had anything more than a lecture on how to determine a flashover is imminent. There is only one way to simulate these events and teach firefighters how to see and feel for these events in order to make a change or evacuate the area. The answer is a flashover simulator that may be incorporated in to both incumbent and recruit training for the entire region. The unit would be housed next to the live fire building at the Peninsula Regional Live Fire Training Facility. This location would be ideal for all surrounding jurisdictions due to its centralized location and experienced training staff that is available all hours in which the facility is available. A flashover simulator would also provide a visual reinforcement to incorporate into the Fire Dynamics Training currently underway in the entire region.

It remains clear that the Newport News Fire Training Center and the Peninsula Regional Live Fire Training Facility are equipped to provide superior instruction in all required aspects of Firefighter I and II as well as advanced firefighter and specialty training. It is also evident that the facilities provide a location where all jurisdictions in the region are able to complete regular training in order to serve their communities and become better prepared. The one missing aspect

is coincidentally one of the most dangerous and terrifying events that a firefighter may ever see, if they live to tell. It doesn't have to be that way with the addition of a flashover simulator at the Peninsula Regional Live Fire Training Facility for multiple jurisdictional use, both local and federal.

Dräger Safety Inc.

700 Second St, Ste G
 Encinitas, CA 92024
 U.S.A.
 Tel.: 1 760 634-7740
 Fax: 1 760 634-7746

Firm Proposal

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Firm Proposal- PHASE 1 FLASHOVER SYSTEM

Offered Without Engagement To:

CUSTOMER:	Newport News Fire Dept.	DATE:	1/19/15
ADDRESS:		QUOTE #:	
CITY, STATE (PROV):	Newport News, VA		
ZIP (PCODE):			
ATTENTION:	Geoff Thurman	PHONE:	
TITLE:		FAX:	
E-MAIL ADDRESS:	gthurman@nnva.gov	CELL:	757-207-6219
REFERENCE:	Swede Phase 1 – Flashover Class A Prop	PSS:	
DELIVERY INFO:	Standard delivery is 60 days	RSM:	

Prices are firm for 90 days

Item	Qty	Dräger Part #	Description	Unit Price	Extension
A	1	N/A	*Dräger Swede Survival Phase 1 -INCLUDES- (1) Burn room w/ corresponding crib (to build seat of fire) *Per PDF drawings provided – final engineering and design to be approved by customer before production	\$42,995.00	\$42,995.00
B	1	N/A	"Train-the-Trainer" Instructional Program ➤ The training curriculum consists of two parts: The first part is a two day, onsite training course for up to ten (10) of the department's instructors. The second part is a complete documentation package on operation and maintenance of the System.	INCLUDED	INCLUDED
C	1	N/A	State Sales Tax 0%		
D		FREIGHT	Shipping estimate to site (Valid 30 days) ➤ Total system to require (1) truckload to deliver ➤ Total Weight of 21,000lbs	\$5,800.00	\$5,800.00
E		SET-UP	Phase 1 Product Set-up on site ➤ See Phase 1 Technical Specification for details on set-up and site requirements ➤ Set-up can be provided at an additional cost		NOT INCLUDED

Dräger Safety Inc.

700 Second St, Ste G
Encinitas, CA 92024
U.S.A.

Tel.: 1 760 634-7740
Fax: 1 760 634-7746

Firm Proposal

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CLICK FOR MORE INFORMATION ON ALL THE SWEDE SURVIVAL PRODUCTS

http://www.draeger.com/sites/enus_us/Pages/Fire-Services/Swede-Survival.aspx?navID=369



TERMS & CONDITIONS:

1. Site preparation, i.e Concrete pad, and additional space to stage responsibility of customer
2. Off-load, staging, and final set-up to be the responsibility of customer
3. Equipment needed for set-up furnished by customer
4. Any building permits and/or trade licenses by customer and are not included
5. Taxes not included (unless requested by customer)
6. Freight only valid for 30 days
7. Training is a mandatory part of the scope of delivery and has to take place within 30 days of the set-up of the system
8. Draeger holds the right to adjust the sales price of Line Item A, if training is to take place outside the NAFTA area
9. System is not to be used with untrained operators/instructors

Total Project Costs: \$48,795.00

Notes

- MFR std (1) year warranty applicable
- Country of Manufacture: USA

Authorized Signature:

John Hunter

Name: John Hunter
Title: Product Specialist
Mobile: 760-815-1309
Email: John.Hunter@draeger.com

Technical Specification & Training: Dräger Swede Survival - Phase 1 “Flashover Observation”



A. SCOPE OF DELIVERY

- Container System built to specifications of Draeger
- System meets or exceeds NFPA 1001, 1403 and 1500 Standards
- System meets the Swedish Rescue Training Center specifications
- 2 day advanced "train-the-trainer" course conducted on site for up to 10 trainers

B. CONTENTS OF TRAIN-THE-TRAINER COURSE

1. Ignition Sources
2. Fire Behavior
3. Formation of Fire Gases
4. Fire Control
5. Container Operations
6. Hydration
7. Heat Stress
8. SCBA & Safety Equipment
9. Heat Stress Management
10. Recognition of Pre-Flashover
11. Smoke and Ventilation Exercises
12. Nozzle Technique
13. Container Management
14. Safety

Draeger Safety, Inc.
700 Second St., Suite G
Encinitas, CA 92024, USA
Phone: +1 (760) 634-7740
Fax: +1 (760) 634-7746
www.draeger.com

Dräger Swede Survival
Phase 1 “Flashover Observation”
Technical Specification
Page 1 of 8

Confidential and Proprietary
No release without written authorization from Draeger

C. CONTAINER SYSTEM SPECIFICATIONS AND SET-UP REQUIREMENTS

Dimensions:

- a) Burn Container 10' Long, 8 ' Wide, 8'-6" High
- b) Observation Container: 20' Long, 8 ' Wide, 8'-6" High
 - a. When both containers are connected, burn chamber will sit 11'-6" off the ground

Weight:

Approx. 21,000 pounds. (Observation 9,000 & Burn 12,000)

Construction and Included Items:

- Access Platform / Loading Dock
- Partek High Performance Insulation In Burn & Portion of Observation Container
- 14 Gauge Steel Exterior with 11 Gauge Sheet Metal Covering Insulation
- 5/8" Chain on Walls, Ceiling and Doors of Burn Container
- Ventilation System
- Concrete Paving to Line Floor of both Burn & Observation Containers
- 1 ea.- Crib Fire Drum
- Side entry doors with slide latches
- Access for Hose Line
- Jacks for additional Support of Burn Container
- Paint – Red Oxide Primer
- Constructed from used ISO Containers

Site Requirement:

- Level pad of either concrete or gravel with average dimensions of not less than 20' Wide and 40' Long (800sq ft).
- No foundation or drainage system required.
- Burn Container to be placed directly into prevailing wind, if applicable.
- Equipment required for set-up: Large capacity fork-lift truck, with extended arms or crane. Set-up time is approximately one hour for 3 people (forklift operator +2)

Site preparation and set-up is the responsibility of the purchasing authority.

D. PRICE & DELIVERY

see "price quotation" page

Draeger Safety, Inc.
700 Second St., Suite G
Encinitas, CA 92024, USA
Phone: +1 (760) 634-7740
Fax: +1 (760) 634-7746
www.draeger.com

Dräger Swede Survival
Phase 1 "Flashover Observation"
Technical Specification
Page 2 of 8

Confidential and Proprietary
No release without written authorization from Draeger

E. TERMS & CONDITIONS

see "price quotation" page

F. DETAILED SPECIFICATIONS

The Flashover Training System shall consist of two items. The first item is the two container training enclosure. The second item is the training curriculum. The combination of the unique construction of the enclosure and the training curriculum shall provide invaluable training to firefighters. The Flashover Training System shall provide firefighters with an opportunity to gain tremendous insight into the warning signs that indicate the eminent threat of the fire condition commonly referred to as Flashover.

DESIGN CRITERIA OF THE ENCLOSURE

The training enclosure shall be made up of two compartments. The upper compartment is called the burn chamber and the lower compartment is called the observation chamber. Both chambers shall be fabricated from used standard height land/sea shipping containers. "New", one use only containers, are available for an additional cost.

BURN CHAMBER

The Burn Chamber shall meet the following criteria:

- The Burn Chamber shall be ten (10) feet long and eight (8) feet wide.
- The entire interior surface of the container's walls and ceiling shall be lined with insulation materials capable of withstanding the repeated high temperature evolutions present inside of the chamber. Stainless steel for use in the burn chamber as insulation is not permitted or desired.
- The two corners of the Burn Chamber farthest from the Observation Chamber shall be reinforced with extra insulation and protection as this is where the Class A materials crib will be situated on alternate training evolutions.
- The floor of the container shall have all combustible materials removed and replaced with a minimum eight (8) gauge steel plate surface and covered with concrete pavers.
- The Burn Chamber floor shall be elevated three feet above the Observation Chamber floor.
- One end of the Burn Chamber shall open to allow the firefighters in the Observation Chamber to observe the fire behavior, while remaining below the intense heat generated by the flashover effect in the Burn Chamber.

- The opposite end of the container shall remain equipped with the standard double doors of a Land/Sea shipping container. These doors however will be insulated and have a method for securing Class A sheet material for the training evolutions.
- A method of securing Class A sheet material to the walls and ceiling of the container shall be provided.
- A set of two support legs underneath the Burn Chamber shall be provided. These legs shall be adjustable to accommodate site conditions.

OBSERVATION CHAMBER

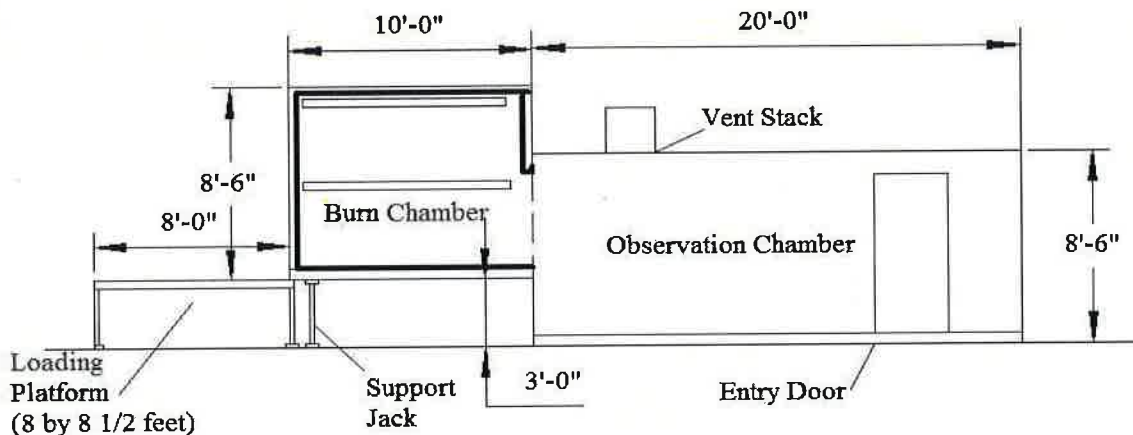
The Observation Chamber shall meet the following criteria:

- The Observation Chamber shall be twenty (20) feet long eight (8) feet wide
- The forward portion of the Observation Chamber Walls and Ceiling shall be lined with the same insulation method as the Burn Chamber. This insulation shall run at least seven feet in length and cover the walls at least four feet down from the ceiling. 4' X 8' additional insulation.
- A ventilation stack shall be provided in the roof of the Observation Chamber and be configured as to allow one of the instructors at the rear of the chamber to operate both one of the two doors and the ventilation stack opening simultaneously.
- The original floor of the container is covered with 16 gauge hot rolled steel, and be covered with concrete pavers.
- The Observation Chamber shall have two (2) three (3) foot by seven (7) foot outward opening doors located near the rear of the chamber. These doors shall open freely without any latching mechanism and be configured to return to the closed position automatically.
- The rear wall of the Observation Container shall be the original double doors of the Land/Sea container. A cutout large enough to accommodate two 1 ½ inch charged hose lines shall be cut in one of the doors.

OTHER EQUIPMENT

The bidder shall provide the additional equipment listed below:

- Two (2) Class A material Cribs of the correct volume and shape to meet with the bidders standard operating procedures for proper loading of the system for safe and effective training.
- One (1) eight (8) foot long by eight and one-half (8 ½) foot wide platform located behind the Burn Chamber to accommodate loading and clean out of the Burn Chamber between training evolutions. The legs of the platform shall be adjustable in height from 2' 6" to 3' 6" in one inch increments to allow for adjustment to site conditions. The deck of the platform shall be sufficiently reinforced as to accommodate the live load of up to four firefighters in full PPE during loading and cleanup operations.



SITE SET-UP OF THE SYSTEM

The Flashover Training System shall be designed so as to be set-up onsite by the customer's representatives in less than one hour by a crane or forklift operator and two assistants. The bidder will provide the customer with a description of the site requirements for the system as a part of their bid package. The system shall be able to be lifted into place with a 20,000 lb. crane or large capacity forklift. If any special footings or foundations are required to accommodate the system, the bidder will provide this information as part of their bid.

Draeger Safety, Inc.
700 Second St., Suite G
Encinitas, CA 92024, USA
Phone: +1 (760) 634-7740
Fax: +1 (760) 634-7746
www.draeger.com

Dräger Swede Survival
Phase 1 "Flashover Observation"
Technical Specification
Page 5 of 8

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FEATURES OF THE TRAINING CURRICULUM

The training curriculum shall consist of a two parts. The first part is a two day, onsite training course for up to ten (10) of the department's instructors. The second part is a complete documentation package on operation and maintenance of the Flashover Training System. The training curriculum shall be reviewed by the customer and approved before utilization.

TRAINING COURSE

The training course shall be conducted over a two day period. It will consist of two eight hour training days. It will be conducted by two (2) of the bidders' advance certified instructors. This certification must be from a reputable source, with historical documentation capable for providing proof of reliability and effectiveness and over 100 completed training evolutions. There will be both a classroom and hands on portion to the class.

- The two (2) instructors who will deliver the training are to have advanced certification from the bidder as to their ability to perform this training. Each instructor shall have conducted a minimum of 100 training evolutions in the bidders Flashover Training System. The certification of the instructors shall be traceable back to Swedish Fire Rescue School in Skovke, Sweden.
- The course shall have a four hour classroom portion covering theory of operation, recommended loading procedures, pre-evolution briefing materials, safety procedures and maintenance of the system.
- The remainder of the course shall consist of 12 hours of hands-on operation and use of the Flashover Training System by the customer's instructors. Prior to use of the system for the first time the bidders personnel will perform a complete inspection of the training system to ensure that it has been properly installed per the bidder's recommendations. During the hands-on training, each of the customer's ten instructors will have an opportunity to conduct a complete training evolution from loading the materials; to inspecting the students prior to entry; to starting the fire; to controlling the fire growth and stages of evolution; to ending the session; to clean up and debriefing.
- Manufacturer published curriculum must be provided with bid to ensure a standard of practice will be followed, and will allow for future personnel to be trained to required standard.
- Resumes of the trainers to also be included with bid showing manufacturer approval to perform training
- After completion of the training course the bidder shall provide each of the twelve instructors who participated in the complete two day course with certification as level 1 instructor. This is a lower level of certification than the advanced certification level achieved by the instructors who run the training program.

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- The customer will be responsible for providing the class materials to support the training course objectives. The bidder will present the customer with a required materials list at least four weeks prior to the date scheduled for the training course.

DOCUMENTATION PACKAGE

The documentation package for the Flashover Training System shall include at least **twelve (12) sets** of the operations manual for the system. The package shall also include a copy of a PowerPoint based presentation for preparation of the trainees prior to entry into the Flashover Training System. The package shall include a set of Standard Operating Procedures and guidelines.

- The Operations Manual shall include discussions of inspection of the Flashover Training System prior to an evolution; proper loading of the burn crib; proper loading of the walls and ceiling of the Burn Chamber with sheet material; safety inspections of all trainees and instructors prior to entry in to the training system; control of the fire growth and propagation during the evolution; clean up and overhaul of the system after a training evolution; and inspection of the system at the end of a training day.
- The PowerPoint presentation for pre-briefing trainees prior to the evolution shall prepare the trainees to understand the training objectives of the evolution; the basic theory of Flashover causes and indicators; expectations of trainees while inside the training system; and safety warnings to avoid injury to personnel and equipment while inside the training system.
- The Standard Operating Procedures for the Flashover Training System shall explain the bidders recommendations for types of materials to be used in the burn crib and as the sheet material in the walls and ceiling of the Burn Chamber; loading procedures for the burn crib by volume and weight of material; loading procedures for the sheet materials on the walls and ceiling of the Burn Chamber; minimum staffing and experience levels of instructor personnel to run a safe and effective evolution; safety guidelines for personnel in terms of PPE, hydration, physical health, level of experience, and others; and maintenance procedures for the training system.

PROPOSAL SUBMITTALS

Each bidder will, in addition to their price sheet, submit the following information:

- A reference list with a minimum of ten (10) reference sites where the system proposed in the solicitation has been utilized for at least five (5) years and over 500 training evolutions. The list shall contain the customer name, contact name, contact phone number, contact address, contact email address (if available) and year system was first delivered to the customer.
- A description of the site requirements for installation of the system at the customers training facility.

SITE PREPARATION

The County will provide a level pad designed to place the Flashover Trainer Prop and equipment to unload and set-up Prop.

WARRANTY

By submitting a bid the bidder expressly warrants that any and all titles conveyed are good and their transfer rightful and that the goods delivered shall be merchantable and that the goods are fit for the ordinary purposes for which such goods are used, or are fit for a particular purpose when that purpose is stated in the solicitation. The bidder further warrants that all goods delivered are free from any security, interest, or other lien or encumbrance of which the county at the time of contracting has no knowledge.



NEWPORT NEWS REGIONAL LIVE FIRE TRAINING FACILITY

MEMORANDUM OF AGREEMENT

This MEMORANDUM OF AGREEMENT dated this 1st day of February, 2000, by and among the CITY OF NEWPORT NEWS, CITY OF HAMPTON, COUNTY OF JAMES CITY, CITY OF POQUOSON, CITY OF WILLIAMSBURG, COUNTY OF YORK and U.S. ARMY TRANSPORTATION CENTER; all of the Commonwealth of Virginia and United States of America, and hereinafter collectively referred to as "Partners".

WHEREAS, Partners have agreed in principle to jointly construct and operate a regional live fire training facility, hereinafter referred to as "Facility", with Newport News serving as the host jurisdiction for the facility; and

WHEREAS, Partners have budgeted capital funds necessary to develop and maintain the Facility; and

WHEREAS, the Commonwealth of Virginia has agreed to provide additional capital funds necessary for the construction of the Facility conditioned upon the Partners executing a regional agreement for the operation and maintenance of the Facility.

NOW, THEREFORE, it is hereby agreed by and among the Partners as follows:

1. DEFINITIONS

Additional Partners shall mean entities that are not included in the list of partners as provided in this agreement dated the 1st day of February, 2000, but which are accepted as Partners subsequent to the execution of this Agreement.

Agents means and includes authorized officers, employees and agents of a Partner.

Agreement shall mean this Memorandum of Agreement, as amended from time to time.

Committee shall mean the committee established pursuant to Section 5 of this Agreement.

Facility shall mean the regional Live Fire Training Facility.

Partner shall mean any one of the Partners or Additional Partners.

Partners shall be a collective term meaning the jurisdictions of the City of Newport News, City of Hampton, County of James City, City of Poquoson, City of Williamsburg, County of York, Virginia; and the U.S. Army Transportation Center at Fort Eustis, Virginia; and all Additional Partners, if any.

Regional Live Fire Training Facility and *Facility* shall mean land, designated roadways leading immediately thereto, utilities, burn building, and any other physical structures and facilities located on property designated for and used by the Partners for the purpose of operating a regional live fire training facility.

2. PURPOSE

The purpose of this agreement is to construct, operate and maintain a facility by and among the Partners hereto that will provide a live fire training facility for the Partner's fire fighting personnel.

3. DURATION

A. The initial term of this agreement shall be 15 years commencing on the date of the organizational meeting. At the expiration of the initial 15 year term, this Agreement may be renewed based on the approval of and for a term determined by a majority of the then active Partners.

B. This agreement is additionally subject to the continued financial support of the Partners and thus subject to continued appropriation by the Partners of funds necessary for the construction and operation of the Facility.

4. THE FACILITY

A. The initial Facility improvements shall include the following: a one story training building with an attached one story commercial space, the overall dimensions of which will be approximately 46' x 26'. The site will be provided with storm water management, and served by water, access roads, required parking and other paved areas necessary for the training facility.

B. The construction, maintenance and operation of, and improvements to the Facility will comply with all state and federal laws, rules and regulations under the direction of the Committee, the City of Newport News, Virginia, and the terms of the grant agreement between the Department of Fire Programs and the City of Newport News, Virginia, for the construction and operation of the Facility. The Newport News Purchasing Department will handle the procurement of all services, materials and supplies for the construction, maintenance and operation, and improvements to the Facility upon written direction of the Committee.

C. The Newport News Finance Department will process all invoices for payment for construction activities, materials and supplies. Newport News will bill each Partner annually during the month of October for operation and maintenance costs, if any, based on each Partner's use of the

Facility during the preceding fiscal year.

D. From time-to-time during the initial or subsequent terms of this Agreement, the Partners may consider additional capital improvements or additions to the Facility. Any decision to build any additional regional structures to the Facility must first be approved unanimously by the then active Partners.

E. The Facility shall be owned solely by the City of Newport News. No other Partner or other entity shall acquire a property interest in the Facility solely by virtue of participating in this Agreement, or using the facility for training or otherwise.

5. THE COMMITTEE

A. The Committee will consist of seven (7) members appointed as follows:

Chair: The Chair shall be a member of the Committee who shall have all rights of membership including the right to vote. The Chair shall rotate each calendar year among the Committee members as determined by the Committee. The Chair shall function as the chair of the Committee but shall have no additional powers or authority not available to the other members of the Committee, except as otherwise approved by a majority of all the Committee members.

Members: The chief, or other operational equivalent, of each Partner's fire department, including their designees, shall serve as that Partner's member on the Committee.

B. The Committee shall adopt and be governed by bylaws. Such bylaws shall include the following components:

1. **Quorum.** A quorum shall consist of four (4) members present and voting, however, in order for the Committee to approve any budgetary action, the quorum shall consist of five (5) members present and voting. Proxy voting shall be authorized except that proxy votes may not be used to satisfy the requirement for a quorum.
2. **Meeting Schedule.** To be held at such time and on such dates as provided in the by-laws, and at such additional times and dates as otherwise determined by the Committee.
3. **Notice of Meetings.** A notice of every meeting shall be faxed to all members of the Committee no less than five working days prior to the meeting date.

4. **Organizational Meeting.** The Committee shall hold an organizational meeting after all Partners have executed this Agreement. As each partner executes this Agreement, it shall forward the original of the executed Agreement to the Newport News Fire Chief who shall retain the Agreement until such time as all Agreements are received. Upon receipt of all Agreements, the Newport News Fire Chief shall notify every Partner of the time, date and location of the organizational meeting. Upon the presence of every Partner's representative at the organizational meeting, the Newport News Fire Chief shall call the meeting to order for the purpose of electing a Chair from amongst the representatives. Upon election of the Chair, the first order of business shall be to adopt by-laws for the Committee, however the organizational meeting may be continued from time to time until the by-laws are adopted. Upon adoption of the by-laws, the Committee may entertain any other business it desires to be necessary, at the conclusion of which, the organizational meeting shall be adjourned.
5. **Action by Committee.** - Upon reaching a quorum, all actions required to be taken or approved by the Committee shall be taken or approved by a majority vote of those present and voting, including proxy votes.

6. FACILITY OPERATIONAL CONTROL

A. The use of the Facility shall be under the control, direction and supervision of the Committee with the objective of insuring safe operation of the Facility. Subject to the terms and conditions of this Agreement, the Committee shall establish conditions for use of the Facility as the Committee shall deem necessary in the interest of safety and prudent operational efficiency. This authority may be delegated by the Committee to the City of Newport News.

B. Operational and maintenance costs of the Facility shall be administered by the Committee and borne by the Partners, based on use as provided in section 4(C), which shall provide for such costs in their annual operating budgets, or from funds provided by the Virginia Department of Fire Programs or its successor.

7. SPECIFIC PROVISIONS - NEWPORT NEWS

A. Newport News shall make available a portion of 14.9 acres of land at 17300 Warwick Boulevard, Newport News, Virginia, located between Lee Hall Elementary School and the Allegheny Pepsi site for the Facility. Newport News shall retain ownership of the land and improvements throughout the term of this agreement.

B. Newport News shall make all applications on the Committee's behalf related to building permits, zoning and any other permits required for the Facility; and Newport News will, as expeditiously as possible, take all actions necessary to obtain all required zoning, special use and building permits.

C. Newport News shall be the responsible jurisdiction for bidding and procuring an architect and builder of the Facility, as well as all procurement related to the operation and maintenance of the Facility.

D. Newport News shall prepare a draft site plan that provides general dimensions of the Facility, and includes proposed building locations with draft architectural drawings. The final plans for the burn building shall be approved by the Committee.

E. Newport News shall coordinate and insure that utilities, trash removal and routine Facility maintenance is provided for so long as it is a partner to this Agreement.

8. MUTUAL OBLIGATIONS

A. The Partners agree to provide contributions of assets or funds as identified in Appendix A for the construction of the Facility. Additionally, the Partners agree to annually provide funds for the operation, maintenance and non-capital improvements to the Facility, if any are needed, based on their proportional use of the Facility during the preceding fiscal year.

B. The provisions of this agreement are for the sole benefit of the Partners, and no other person or entity shall be entitled to enforcement of any part or parts of this Agreement.

C. Annual operating costs and maintenance of the Facility:

(1) The Committee shall adopt an annual operating and maintenance budget for the Facility and shall submit such budget to the Newport News Fire Chief by December 15 of each year.

(2) The Newport News Fire Chief or his designee will prepare an itemized invoice and forward to the other Partners an annual billing for their pro-rata actual cost of operating and maintaining the Facility during the previous fiscal year as provided in section 4(C). The Partners agree that they will, within 60 days of the invoice, review, approve and forward payment to the Newport News Fire Chief for their pro-rata share of the costs.

9. LIABILITIES

A. In so far as permitted by law, each Partner agrees that, as between the Partners, it shall be responsible for its own agents' acts and omissions within the scope of their duties which cause injury to persons or property directly resulting from their use of the Facility. Nothing herein shall be deemed as a waiver of sovereign immunity or any other defense available to a Partner.

B. Each Partner shall have responsibility for and control over its Agents.

C. This Agreement shall not be construed to impair or affect any sovereign or governmental or official immunities that may otherwise be available to a Partner or its Agents. Any legal liability which may be imposed upon a Partner by a court of competent jurisdiction or by duly authorized settlement of any legal claim against a Partner, shall be the responsibility of and retained by that Partner for the conduct of its own affairs. In the event of a third party liability determination not covered by this paragraph or in the event the Committee is sued or ultimately held liable, the Partners shall share in the proportions set forth in the "POP%" column in appendix A in all costs of defense and in any monetary judgment or settlement of such claim, unless otherwise mutually agreed to by all Partners.

D. Each Partner shall be responsible for worker's compensation liability for their respective Agents who may suffer compensable injuries arising out of their use of or authorized presence at the Facility.

10. TERMINATION

A. Any Partner may terminate its participation in this Agreement by providing 90 days written notice, certified mail return receipt requested, to the chief executive officers of all the other Partners. The City of Newport News shall retain ownership of the Facility and shall have and receive ownership of all personal property and equipment and other assets of the terminating Partner not removed by such Partner prior to termination. The terminating Partner shall execute any quit claim deed, bills of sale or conveyances reasonably requested by the City of Newport News to evidence Newport News's ownership of all such assets.

B. A terminating Partner shall forfeit all interests, property or otherwise, if any, in the facility and its operations, however the terminating Partner shall continue to be liable for any obligation incurred during such time as the terminating Partner was a Partner, specifically including the operating and maintenance costs calculated on the Partner's use of the Facility in the prior fiscal year, as well as any costs provided for in Section 9, Liabilities, of this agreement.

11. **EFFECTIVE DATE**

This agreement shall be effective at such time as all parties hereto have executed same as an original and copies of the original have been provided to all parties hereto.

END OF SUBSTANTIVE PROVISIONS - APPENDIX AND SIGNATURE PAGES FOLLOW

kdk5639

Financial Shares by Partner Locality Based on Population

PARTNERS:	SHARE %	*** BASE SHARE	SHORTFALL	TOTAL SHARE
Newport News **	39.8	\$149,266	\$0.00	\$149,266
Hampton *	30.7	91,750	N/A	91,750
York County	12.6	47,262	3,600	50,862
James City County	9.7	36,383	2,770	39,153
Williamsburg	2.6	9,778	752	10,530
Poquoson	2.5	9,383	716	10,099
U.S. Army Transportation Center	1.8	6,798	542	7,340
TOTAL PARTNERS' CONTRIBUTION				\$359,000
STATE DEPARTMENT OF FIRE PROGRAMS				325,000
TOTAL FUNDING				\$684,000

* Hampton's fixed share agreed upon because Hampton also uses and contributes to the Langley Air Force Base burn facility.

** Newport News excluded from contributing to shortfall; in lieu thereof, Newport News will contribute all administrative expenses.

*** Base share includes payment of required stormwater management fees.

APPENDIX "A"

RESOLUTION NO. 9671-00

A RESOLUTION AUTHORIZING AND DIRECTING THE CITY MANAGER TO EXECUTE AND THE CITY CLERK TO ATTEST, ON BEHALF OF THE CITY OF NEWPORT NEWS, VIRGINIA, THAT CERTAIN MEMORANDUM OF AGREEMENT BY AND AMONG THE CITY OF NEWPORT NEWS, THE CITY OF HAMPTON, THE COUNTY OF JAMES CITY, THE CITY OF POQUOSON, THE CITY OF WILLIAMSBURG, THE COUNTY OF YORK AND THE U. S. ARMY TRANSPORTATION CENTER DATED THE 1ST DAY OF FEBRUARY, 2000, FOR THE NEWPORT NEWS REGIONAL LIVE FIRE TRAINING FACILITY.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Newport News:

1. That it hereby authorizes and directs the City Manager to execute and the City Clerk to attest, on behalf of the City of Newport News, Virginia, that certain Memorandum of Agreement by and between the City of Newport News, the City of Hampton, the County of James City, the City of Poquoson, the City of Williamsburg, the County of York and the U. S. Army Transportation Center dated the 1st day of February, 2000.


2. That a copy of the said Memorandum of Agreement is attached hereto and made a part hereof.

PASSED BY THE COUNCIL OF THE CITY OF NEWPORT NEWS MAY 9, 2000

Bernice I. Berry, MMC
City Clerk


Joe S. Frank
Mayor

A true copy, teste:



City Clerk

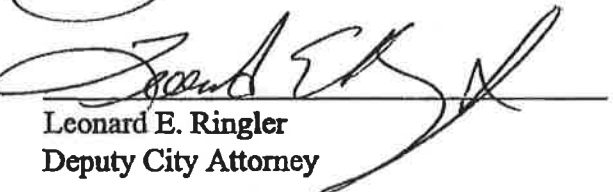
WITNESSETH the following signatures and seals on behalf of the City of Newport News,
Virginia, in that behalf having first been duly authorized:

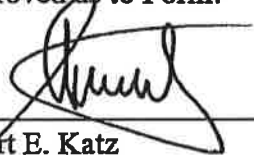
CITY OF NEWPORT NEWS, VIRGINIA


Edgar E. Maroney
City Manager

ATTEST:


Bernice F. Berry
Deputy City Clerk

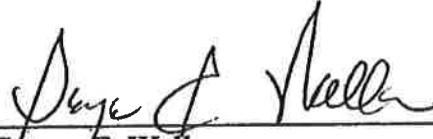
Prepared/Reviewed:

Leonard E. Ringler
Deputy City Attorney

Approved as to Form:

Stuart E. Katz
City Attorney

WITNESSETH the following signatures and seals on behalf of the City of Hampton,

Virginia, in that behalf having first been duly authorized:

CITY OF HAMPTON, VIRGINIA



George E. Wallace
City Manager



Robert Green
Fire Chief

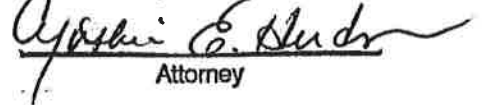
ATTEST:

City Clerk

CITY OF HAMPTON
OFFICE OF THE CITY ATTORNEY


This contract has been reviewed
and is approved as to form.

Date: 4/24/00


Attorney

WITNESSETH the following signatures and seals on behalf of the City of Williamsburg,
Virginia, in that behalf having first been duly authorized:

CITY OF WILLIAMSBURG, VIRGINIA



Jackson Tuttle
City Manager



T. K. Weiler
Fire Chief

ATTEST:

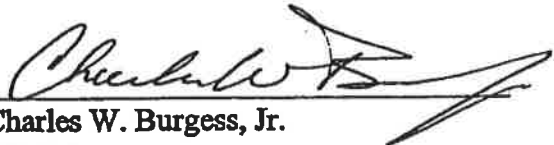


Mary Beth Plucinski
City Clerk (Acting)

WITNESSETH the following signatures and seals on behalf of the City of Poquoson,

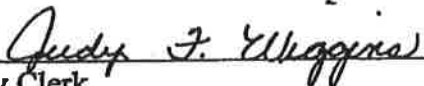
Virginia, in that behalf having first been duly authorized:

CITY OF POQUOSON, VIRGINIA


Charles W. Burgess, Jr.
City Manager


Carl E. Ward
Fire Chief

ATTEST:


City Clerk

WITNESSETH the following signatures and seals on behalf of the County of James City,

Virginia, in that behalf having first been duly authorized:

COUNTY OF JAMES CITY, VIRGINIA



Sanford B. Wanner
County Administrator



Richard Miller
Fire Chief

ATTEST:



County Clerk

WITNESSETH the following signatures and seals on behalf of the County of York, Virginia,

in that behalf having first been duly authorized:

COUNTY OF YORK, VIRGINIA



Daniel M. Stuck
County Administrator



Stephen P. Kopczynski
Fire Chief

ATTEST:

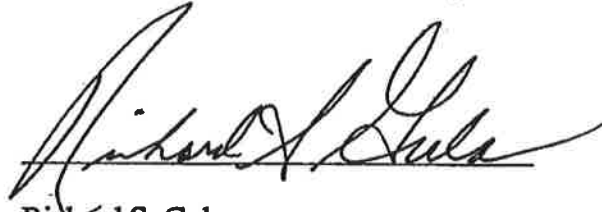


~~County Clerk~~ Administrative Assistant

APPROVED AS TO FORM:


COUNTY ATTORNEY

WITNESSETH the following signatures and seals on behalf of the U.S. Army
Transportation Center, Fort Eustis Virginia, in that behalf having first been duly
authorized:



Richard S. Gula
Colonel, TC
Garrison Commander



Stephen P. Jellie
Chief, Fire & Emergency Services
USATC & Fort Eustis

ATTEST:



USATC, SJA