

FIRE SERVICE TRAINING FACILITIES
REPORT OF
THE VIRGINIA ADVISORY LEGISLATIVE COUNCIL
TO
THE GOVERNOR AND THE GENERAL ASSEMBLY



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COMMONWEALTH OF VIRGINIA
Department of Purchases and Supply
Richmond
1977

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FIRE SERVICE TRAINING FACILITIES

REPORT OF THE VIRGINIA ADVISORY LEGISLATIVE COUNCIL TO THE GOVERNOR AND THE GENERAL ASSEMBLY

Richmond, Virginia

December 28, 1976

TO: Honorable Mills E. Godwin, Jr., Governor of Virginia
and

The General Assembly of Virginia

PART I INTRODUCTION

During the 1974 Session of the General Assembly, the Senate and House of Delegates adopted Senate Joint Resolution No. 43, directing the Virginia Advisory Legislative Council to study the feasibility of establishing fire service training facilities and the advisability and feasibility of the establishment of a State sponsored and supported central headquarters for the Virginia Association of Volunteer Rescue Squads. Pursuant to this request, the Council appointed one of its members, Delegate Robert Gwathmey, III, of Mechanicsville to be Chairman of a Committee to conduct the study. The following persons were selected to serve with Mr. Gwathmey as members of this Committee: Mr. Aerts Colby of Roundhill; Mr. Joseph Crockett of Galax; Delegate Garry G. DeBruhl of Critz; Mr. Otis L. Hall of Mechanicsville; Mr. Charles T. Moses of Appomattox; Delegate Alexander B. McMurtrie of Midlothian; Delegate Lacey E. Putney of Bedford; Delegate C. Jefferson Stafford of Pearisburg; Senator Charles L. Waddell of Sterling; and Senator George M. Warren of Bristol. As a result of its study, the Committee concluded that "a central headquarters for volunteer rescue squads should be established to develop, implement and coordinate policies and programs applying to all phases of activity within the Virginia Association of Volunteer Rescue Squads."

In addition, the Committee concluded that "there is a need for more extensive fire service training in the Commonwealth and that the creation of strategically located training facilities in the State is a viable method for fulfilling the need for professional training oriented toward improving the effectiveness of fire departments,

developing leadership for fire prevention and reducing fire fighter injuries." The Council accepted the report of its Committee and directed that such report be printed and distributed to the Governor and the members of the General Assembly without recommendations.

The Council, having presented the report without recommendations, was directed to continue its study pertaining to fire service training facilities. Pursuant to the Council's request, the General Assembly adopted the following resolution:

H.J.R. No. 210

Directing the Virginia Advisory Legislative Council to continue its study begun under Senate Joint Resolution No. 43 as such resolution pertained to fire service training facilities.

WHEREAS, under Senate Joint Resolution No. 43, adopted at the nineteen hundred seventy-four Session of the General Assembly, the Virginia Advisory Legislative Council was directed to study the feasibility of establishing a Statewide fire service training facility; and

WHEREAS, the need for fire fighting training facilities became quickly apparent, a question arose concerning a central facility as opposed to scattered facilities throughout the State; and

WHEREAS, Virginia's community colleges may be advantageously situated to provide such facilities; and

WHEREAS, resolution of the question of a central facility versus scattered facilities is in large part a question of cost; and

WHEREAS, the State Department of Education's personnel in the State Fire Training Service program are familiar with the plant and equipment needed to provide proper instruction in fighting fires and further, are familiar with present facilities in the State that may be available for use in such program; now, therefore, be it

RESOLVED by the House of Delegates, the Senate concurring, That the Virginia Advisory Legislative Council is directed to continue its study begun under Senate Joint Resolution No. 43, adopted at the nineteen hundred seventy-four Session of the General Assembly, as such study pertained to fire service training facilities and is to utilize the services of the State Department of Education in such study; in addition, all other agencies of the State and the governing bodies and agencies of all political subdivisions of the State shall cooperate with and assist the Council in its study.

The Council shall complete its study and report to the Governor and the General Assembly no later than December one, nineteen hundred seventy-five.

Pursuant to the direction of the General Assembly, the 1975

study was conducted by the same Committee which conducted the 1974 study with the exception of Senator Warren, who resigned his position in the Senate during the course of the Committee's deliberations. Mr. William A. Hishok of Portsmouth was appointed to fill the vacancy.

The Council received its Committee's proposals regarding fire service training facilities, pursuant to the directive of House Joint Resolution No. 210, but took no action on the recommendations.

Therefore, the study was continued by the same Committee, following the 1976 Session of the General Assembly. Mr. Edwin B. Baker of Keysville and Mr. Robert J. Gagnon of Mechanicsville were appointed as new members of the Committee.

For invaluable support throughout the course of its work, including assistance with the drafting of this report, the Council is indebted to Mr. Robert E. Carter, Supervisor of Fire Service Training, State Department of Education.

C. M. Conner, Jr., and Cheryl C. Booker of the Division of Legislative Services served as staff for the Committee.

PART II BACKGROUND

In January, 1967, Honorable Mills E. Godwin, Jr., Governor of Virginia, directed that the Virginia Advisory Legislative Council study the need for expansion and improvement of the existing fire training program. This directive was a result of the efforts of the Joint Training Committee of the State Firemen's Association and the State Fire Chiefs Association of Virginia.

The Council submitted its report on fire training to the Governor and the General Assembly of Virginia in July, 1967. This report analyzed the fire problem as it existed at that time in Virginia and recommended that the State Board of Education embark upon development of a program of uniform fire service training sufficient to meet the needs of the paid and volunteer fire departments throughout the State.

Pursuant to the recommendations of the VALC report, the 196 General Assembly enacted legislation creating an Advisory Committee on Fire Service Training. This Committee accepted its responsibilities fully and met frequently with representatives of the State Department of Education.

As a result, in June 1969, the State Department of Education and State Board of Education approved the organization of Fire Service Training in the Division of Vocational Education. Since 1969 the staff of Fire Service Training has been expanded from two to five persons.¹ The increase in personnel enabled the State Supervisor of Fire Service Training to assign geographic areas of responsibility to each man.²

In 1967, the total budget for fire training, federal, state and local, was \$30,000. In 1974-75 the amount paid to instructors totaled approximately \$105,000. The sum of \$85,000 was allocated to staff operation and supervision. Including local funds, the total spent on fire training during fiscal year 1974-75 was approximately \$190,000. In 1969, Fire Service Training funded or sponsored 137 fire training courses. In 1975 the number of such courses had increased to 339.³

Effective January 1, 1971, two courses of instruction were developed by Fire Service Training in cooperation with the Joint Training Committee. These were a 120-hour General Firemanship Course and a 60-hour Advanced Fire Service Training Course.⁴ These courses consisted of subjects essential to the body of knowledge of fire department personnel. A minimum and maximum number of hours is established in each subject. This arrangement is designed to insure that students will undergo training in all areas and not repeat the same subject over several times. To encourage participation, students completing various phases of these courses are entitled to display distinctive shoulder insignia. Additionally, certificates are awarded to those satisfactorily completing these courses.

In addition to the above mentioned courses, Fire Service Training has developed and offers instruction in courses designed specifically for the purpose of training persons in the field of combating fire associated with the operation of industries in the Commonwealth, such as chemicals, textiles, and utilities. These courses have been accepted favorably and utilized extensively since their initiation.

Instructional units defining the limits of coverage on each subject also are furnished, thus preventing unnecessary repetition of material. In addition to general and advanced courses, Fire Service Training conducts regional and statewide schools in specialized subject areas, such as fire ground tactics, petroleum firefighting, transportation hazards, hydraulics, origin and cause, aircraft crash and rescue, vehicle extrication, emergency vehicle operation, officer training and others. These courses are offered in cooperation with local fire service organizations and often are conducted cooperatively with other State agencies. The services of knowledgeable instructors from out-of-state are frequently obtained for these training sessions.

On July 1, 1974, the State Department of Education assumed responsibility for 100% funding of all fire training courses. This replaced the procedure which required the local school division to contribute 40% of the course cost. Effective on this same date, the maximum hourly salary for State instructors was increased from \$10 to \$12.

PART III RATIONALE FOR RECOMMENDATIONS

The Committee completed its study and made its report to the Council. The Council has studied the report and accompanying data carefully. After consideration of the matters before it, the Council

has reached the following conclusions.

The Council feels that the establishment of regional fire service training facilities would improve the accessibility to training for all State fire service personnel, and as a result, minimize out-of-pocket costs and transportation time incurred by firefighters participating in training programs. In addition, the Council believes that such facilities would provide for the standardization of all materials and instruction available to all firefighters in the Commonwealth, as well as provide for maximum utilization of existing fire apparatus, personnel and training facilities. It is also felt that the establishment of such regional centers should be responsible for providing facilities normally not readily available, such as specialized firefighting apparatus, simulators, structural buildings, pump mock ups, special visual aids, mobile laboratories, pits, towers, smoke buildings and water suppliers. The centers would also provide training for local specialized problems such as aircraft, transportation, hazardous materials, waterfront problems and various life hazards.

The Council, in reaching a final determination of its recommendations, was aware of the fact that facilities already exist in many of the proposed locations, and may be readily available, thus reducing the initial and on-going costs. In addition, it was agreed that facilities could be expanded and completed in a long-range program, with progress contingent upon the availability of funds.

In considering the experience of other states regarding fire training facilities, the Council found that a majority of fire training program directors nationwide favor regional facilities over a central facility. In addition, the Virginia State Firemen's Association and the State Fire Chiefs Association adopted resolutions in support of statewide fire training facilities. Such regional facilities have also been endorsed by the Virginia Fire Service Council.

During the course of the Committee's study, a statewide survey was conducted to determine the current availability of training facilities to the State's fire departments. Of the approximately 82% of departments returning the form, a majority indicated that adequate training facilities are not available to fire departments in the Commonwealth.

The feasibility of locating regional facilities at community colleges was also considered. The Council recognizes the value of education in fire science in several community colleges but does not recommend the location of such facilities at community colleges because (a) the physical plant required for such a facility is not available and would be prohibitive in cost to establish; (b) the standardization of fire fighting curriculum is not provided; (c) the fire service curriculum developed by the community college system does not require this type of training facility; and (d) training towers, drafting pits, smoke buildings, structural buildings and flammable liquid pits are not compatible with existing architectural design and landscaping on community college campuses.

The Council, in reviewing the recommendations of the Committee, concluded that the creation of regional training facilities would not mean a reduction in State and local schools but would, in fact, increase the capability of Fire Service Training personnel in the Department of Education to conduct fire training courses at all levels across the Commonwealth. The Council feels that such facilities will provide for a current and continued growth in knowledge and skills so badly needed in our ever-changing methodology of firefighting.

PART IV RECOMMENDATIONS

With these facts in mind, the Council presents the following recommendations. Appendix I represents a draft of the proposed legislation which the Committee feels is appropriate to implement the recommendations.

1. Regional fire training centers should be established, with one regional center being designated as the location of a headquarters.

The regional centers should be located as follows:

Bristol	Lynchburg
Charlottesville	Loudoun County
Chesterfield County	Martinsville
Clifton Forge	Pulaski
Eastern Shore Area	South Boston
Galax	Tidewater Area
Hampton	Winchester
Hanover County	

The exact location of each facility should be determined by Fire Service Training in the State Department of Education, based on financial participation by localities and fire department interest and participation in development and utilization of such facilities, with existing facilities being utilized to the greatest extent possible.⁵

3. The sum of \$350,000 should be appropriated to the State Department of Education to implement the construction, expansion or improvement of statewide facilities. Such funds should be disbursed in the discretion of the State Department of Education based on the following factors:

(a) The total amount of funds available for distribution.

(b) Financial participation by counties, cities, towns and volunteer fire departments; and

(c) Anticipated use of facilities by the State.

4. Consideration was given to a recommendation regarding the establishment of a central headquarters for the Virginia Association of Volunteer Rescue Squads but the Committee was advised that the Association was not interested in pursuing the Council's assistance in creating a headquarters. The Committee members

were told that even though House Bill 748, requesting an appropriation of \$50,000 for the establishment of a central headquarters, died in Committee during the 1976 Session, the Association received the sum under Item 892.2 of the Appropriations Bill as follows:

**Virginia Association of Volunteer Rescue Squads,
Incorporated
(Non-State Agency)**

Item 892.2

State aid for Virginia Association of Volunteer
Rescue Squads, Incorporated.....\$50,000

This appropriation shall not be made available unless and until the board of directors of the corporation certifies in writing to the State Health Commissioner that it will make no request for a State appropriation for the 1978-80 Biennium. Thus, the Council makes no recommendation regarding a central headquarters for the Association.

PART V CONCLUSION

The Council wishes to acknowledge its appreciation to the Committee members, the personnel of Fire Service Training, and the many individuals who were of assistance to it. Their services have been of great value and the Council is indebted to them.

Respectfully submitted,

Edward E. Lane, Chairman

Lawrence Douglas Wilder

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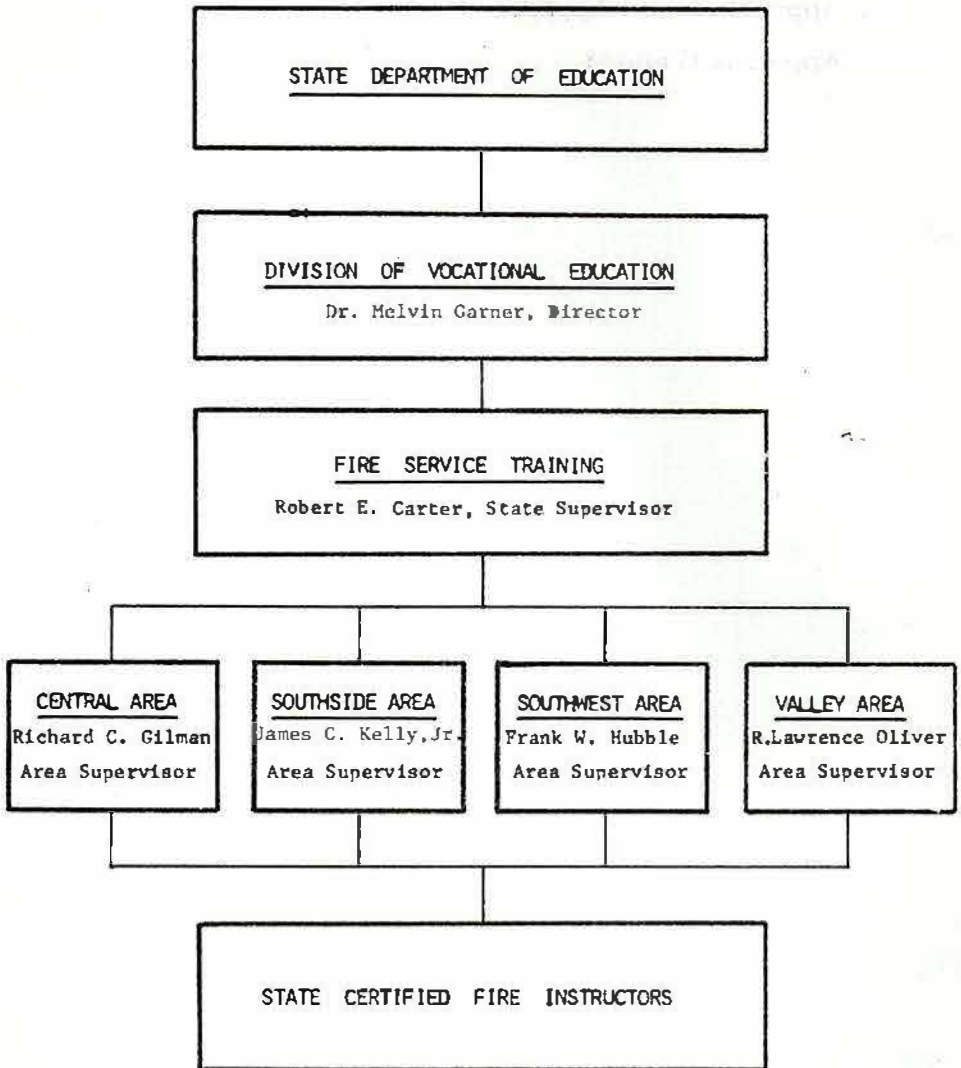
J. Warren White

Edward E. Willey

FOOTNOTES

1. See Appendix A.
2. See Appendix B.
3. Frequency and location of these courses are shown in Appendix C and D.
4. See Appendix E and Appendix F.
5. See Appendix G and H.

COMMONWEALTH OF VIRGINIA
FIRE SERVICE TRAINING
ORGANIZATIONAL STRUCTURE



COMMONWEALTH OF VIRGINIA
STATE DEPARTMENT OF EDUCATION

Fire Service Training

SCALE OF MILES
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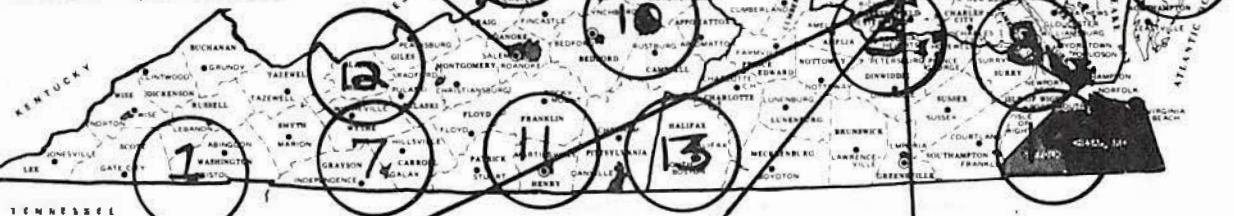


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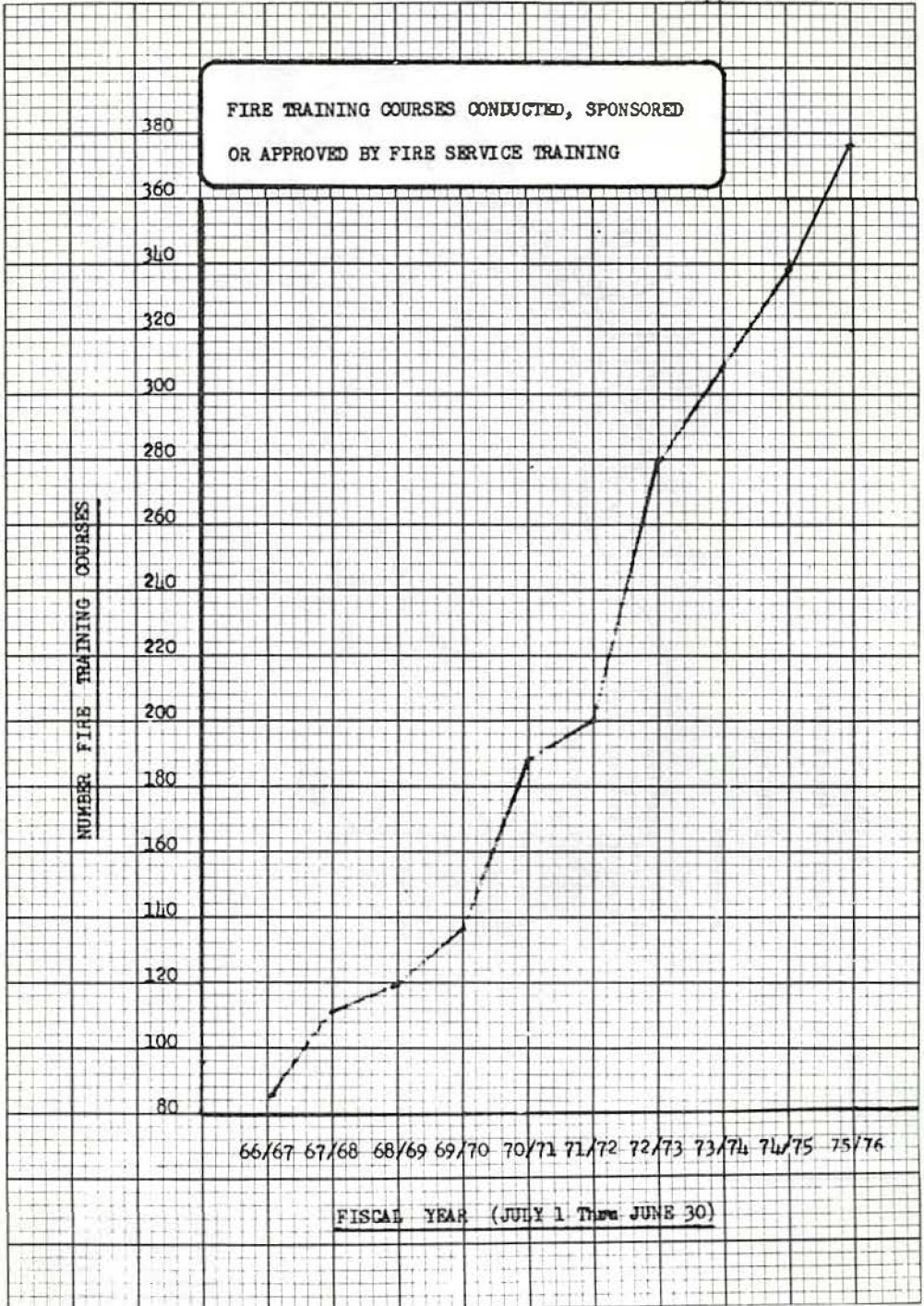
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COUNTY	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL	MANPOWER HOURS
Accomack	Accomack-Northampton	General	12	62	992
	New Church	General	10	39	312
Albemarle	Crozet	General	1	22	660
	N-Stony Point	General	2	22	1320
	Earlysville	General	1	28	1680
Alleghany	Iron Gate	General	4	29	870
	Sharon	General	1	18	270
	Dunlap	General	1	18	144
	Falling Springs	General	2	20	300
	Selma	General	1	18	270
	Selma	General	2	41	615
	Iron Gate	General	1	17	255
Amelia	Jetersville	General	1	14	840
Amherst	Monelison	General	1	13	195
	Pedlar Mills	General	1	47	846
Appomatox	Appomatox	General	2	20	300
Arlington	Arlington	Advanced	4	50	800
	N-Arlington	General/Advanced	1	5	2400
	Arlington	General/Advanced	16	154	2772
	N-Arlington	General/Advanced	1	6	2880
Augusta	N-Augusta	General	1	29	261
	N-Augusta	General	1	26	1040
	Augusta	General	15	84	1260
	N-Augusta	General	18	171	523
	N-Blue Ridge Com. Col.	Advanced	4	19	570
	N-Blue Ridge Com. Col.	Advanced	7	17	510
	N-Blue Ridge Com. Col.	General	7	18	540
	Weyer's Cave	General/Advanced	1	24	720
	Augusta	General/Advanced	18	84	1260
	N-Augusta	General	1	27	243
N-Weyer's Cave	General	3	25	225	
Bath	Millboro	General	2	24	360
	N-Hot Springs	General	1	15	225
Bedford	Hardy	General/Advanced	1	36	576
	N-Moneta	General	2	18	270
	Huddleston	General	4	27	405
	Boonsboro	General	2	24	552
Botetourt	Buchanan	Advanced	2	31	465
	Troutville	General	4	40	600
	Buchanan	General	3	34	612
Brunswick	Alberta	General	7	55	825
	Alberta	General	8	64	512

N-No Fire Service Training Funds Involved

2

COUNTY	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DIPS.	NO. ENROLL.	MANPOWER HOURS
Buchanan	Whitewood	General	2	14	210
Buckingham	Glenmore	General	3	17	459
	Toga	General	1	19	570
	Dillywn	General	1	32	1056
Campbell	Brookville	General	12	23	276
	Central Va. Fire School	General	15	115	1840
	N-Brookville-Timberlake	General	4	28	336
Caroline	Bowling Green	General	2	7	28
Carroll	Laurel Fork	General/Advanced	2	34	510
	Laurel Fork	General	2	36	432
	Hillsville	General/Advanced	2	28	840
	Laurel Fork	General	4	26	416
Charles City	Charles City	General	1	35	735
	Charles City	General	1	30	990
Charlotte	Bacon District	General	4	22	330
Chesterfield	Chesterfield	Pump	1	8	272
	Chesterfield	Advanced	1	37	1110
	Chesterfield	General	1	31	837
	Chesterfield	General	1	37	1110
	Chesterfield	Advanced	1	16	480
	Chesterfield	Advanced	1	20	600
	Chesterfield	General	1	24	720
	Chesterfield	Aerial Platform	1	12	300
	Chesterfield	General	2	14	210
	Chesterfield	General	1	8	120
	N-Chesterfield	General/Advanced	1	8	1440
	Chesterfield	Advanced	16	81	1134
	Chesterfield	Advanced	1	47	1410
	N-Allied Chemical	General	1	69	8280
	Chesterfield	General	1	27	810
	N-Chesterfield	Fire Weather	1	29	87
	Chesterfield	General	2	2	16
Chesterfield	General	1	41	123	
Clarke	Boyce	General	6	34	510
	Berryville	General/Advanced	5	49	1470
	Shenandoah Farms	General	6	43	215
Craig	New Castle	Advanced	2	17	255
	New Castle	General	2	23	345
Culpeper	Culpeper	General	5	44	660
	N-Culpeper	General	2	39	234
Cumberland	Cartersville	General	5	32	480
Dinwiddie	N-Dinwiddie	General	3	16	192
	Dinwiddie	General	4	33	726

N-No Fire Service Training Funds Involved

COUNTY	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL.	HANFORTH HOURS
Essex					
Fairfax	Fairfax	General	1	63	3024
	Fairfax	Advanced	1	54	4752
	N-Fairfax	General	1	21	10584
	N-Fairfax	General	1	21	10584
	Fairfax	Advanced	1	11	352
	Fairfax	General	1	50	2400
	Fairfax	General	1	66	3168
	Fairfax	Advanced	1	18	288
	Fairfax	Defensive Driving	1	12	96
	Fairfax	General	1	70	3360
	Fairfax	Advanced	1	40	3520
	Fairfax	Advanced	10	9	144
Fauquier	Amissville	General/Advanced	24	156	4680
	N-Catlett	General	2	34	204
	N-Orlean	General	7	45	270
	Warrenton	General	8	28	420
Floyd	Floyd	General	7	31	465
	Floyd	General/Advanced	2	28	840
Fluvanna	Fluvanna	General	1	10	80
	Lake Monticello	General	2	16	480
	Fluvanna	General	1	19	570
Franklin	Calloway	Apparatus Practice	1	13	195
	Rocky Mount	General	1	43	1290
	Rocky Mount	General	3	20	300
	Rocky Mount	General	1	29	522
	Boones Mill	General	1	18	594
	Rocky Mount	General	3	27	405
	Smith Mountain Lake	General	2	40	600
	Scruggs	General	2	31	465
	Snow Creek	Advanced	1	20	300
	Glade Hill	General/Advanced	2	15	225
	Burnt Chimney	General/Advanced	4	15	900
	Rocky Mount	Advanced	1	18	270
Frederick	Winchester	General/Advanced	28	185	6060
Giles	Pearisburg	General/Advanced	2	9	54
	Pearisburg	General	3	21	315
	Pembroke	General	2	29	464
Goochland	N-Goochland	General	6	39	273
	N-Goochland	General/Advanced	6	84	2688
Grayson	Fries	General	1	14	210
	Elk Creek	General	2	29	435
Greene	Ruckersville	General	3	37	1110

N-No Fire Service Training Funds Involved

COUNTY	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL.	MANPOWER HOURS
Halifax	N-South Boston	Breathing Apparatus	9	11	77
	Oak Level	General	4	44	660
	Virgilina	General	3	20	300
	Liberty	General	5	29	435
	South Boston	General	14	75	1125
	Triangle	General	6	43	645
Hanover	Ashland	General	1	28	1260
	Hanover	General	4	77	724
	Henry	General	2	18	288
	Doswell	General	3	32	960
	Doswell	General	2	11	220
	Henry	Fieldale	General	1	20
Horsepasture		General/Advanced	2	35	525
Fieldale		General	2	37	1100
Dyer's Store		General	1	16	240
Bassett		General	1	22	330
Ridgeway		General	1	26	390
Collinsville		General	2	20	300
Isle of Wight		Carrollton	General/Advanced	1	13
	Smithfield	General	3	35	105
	Smithfield	General	4	33	990
King and Queen	Central King & Queen	Advanced	1	15	300
King William					
Lee	Keokee	General	2	18	270
	Jonesville	General	4	41	615
	Jonesville	General	2	11	165
Loudoun	N-Sterling Park	General/Advanced	1	34	1020
	Leesburg	General/Advanced	2	54	972
	Loudoun	General	14	171	5130
	N-Hamilton	Aerial Ladder	1	21	63
	N-Sterling Park	Advanced	1	38	798
	N-Sterling Park	General	2	64	2304
	Leesburg	General	12	78	2340
	Leesburg	Pump	10	61	1220
	Leesburg	General/Advanced	8	61	915
	Leesburg	General/Advanced	2	36	540
Louisa	Northanna	General	2	18	720
Lancaster					
Lunenburg					
Madison					
Mathews	Mathews	General	3	20	280
	Mathews	General	2	30	450

N-No Fire Service Training Funds Involved

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<u>COUNTY</u>	<u>DEPARTMENT OR SCHOOL</u>	<u>TYPE OF COURSES</u>	<u>NO. OF DEPTS.</u>	<u>NO. ENROLL.</u>	<u>MANPOWER HOURS</u>
Mecklenburg	Clarksville	General	2	16	240
	Chase City	General/Advanced	9	51	765
	Clarksville	General	5	24	360
	South Hill	General	3	30	450
Middlesex	Middlesex	General	2	38	1140
	Urbanna	Safety	1	25	150
Montgomery	Riner	General	7	33	990
	Corning Class	General	1	12	96
	VPI	General/Advanced	45	80	2320
	McCoy	General	2	19	285
	Elliston	General	4	37	666
	Blacksburg	General/Advanced	6	60	900
Nelson	N-Lovington	General	5	28	208
	N-Lovington	General	1	14	28
	Wintergreen	General	3	26	780
	Rockfish Valley	General	2	35	525
	N-Wintergreen	General	1	17	68
New Kent	Providence Forge	General	1	20	320
Northampton	Cape Charles	General	15	129	2064
Northumberland	Callao	General	6	48	864
	Fairfields	Advanced	5	52	1560
Nottoway					
Orange	N-Orange	General	1	56	1792
	Orange	General	9	64	960
	Gordonsville	General	4	63	945
Page	Luray	General	6	58	870
Patrick	Dry Pond	General	3	18	270
	Patrick Henry	General	1	14	42
	Patrick Springs	General	2	23	414
	Meadows of Dan	General	2	31	465
	Patrick Henry	General/Advanced	1	22	330
	Stuart	General	9	73	1095
	Patrick Henry	CPR	4	19	57
Pittsylvania	Hurt	General	1	19	285
	N-Westover	General	1	25	625
	Ringgold	General	1	21	315
	Mt. Hermon	General	1	20	300
	Hurt	Advanced	1	24	360
	Riceville-Java	General	1	20	300
Powhatan	Huguenot	General	4	30	1440
	Macon District	General/Advanced	2	25	750
	Powhatan	General	2	10	80

<u>COUNTY</u>	<u>DEPARTMENT OR SCHOOL</u>	<u>TYPE OF COURSE</u>	<u>NO. OF DEPTS.</u>	<u>NO. ENROLL</u>	<u>MANPOWER HOURS</u>
Prince Edward	Farmville	General	5	39	585
Prince George	Disputanta	General	6	63	1890
	Burrowsville	General	4	37	555
	N-Prince George	General	1	16	64
	Burrowsville	General	5	60	900
Prince William	N-Prince William	In-Service Training	1	49	1911
	N-Lake Jackson	General	3	11	132
	N-Prince William	Pump	3	35	1050
	Nokesville	Pump	5	18	540
	N-Prince William	General	2	58	1344
	N-Dale City	Advanced	1	10	400
	Prince William	General	4	25	1425
	O. W. L.	Rescue	17	77	2310
	Woodbridge	General	1	28	728
	N-Dale City	General	1	29	783
	N-Prince William	General	1	53	6996
	O. W. L.	Advanced	11	33	480
	N-Dale City	Pump & Hydraulics	1	11	176
	N-Dumfries-Triangle	General	1	25	400
Pulaski	Twin Community	General	2	17	255
	Pulaski	General/Advanced	30	160	2400
	Pulaski	General	30	101	1212
	Dublin	General/Advanced	1	21	315
	Snowville	General	4	25	375
	Fairlawn	General	5	25	375
	Dublin	General	2	15	60
	Newbern	General	3	26	390
	Pulaski	General/Advanced	20	119	1904
	New River Com. Col.	General/Advanced	11	33	2970
Kappahannock	Amissville	General	10	156	4680
Roanoke	Roanoke	General/Advanced	11	62	992
	N-Vinton	General	1	25	750
	Roanoke	Pump	6	24	288
	Roanoke	General	8	45	675
	Salcm	Advanced	14	52	780
	Mt. Pheasant	General	7	64	960
	Hollins	General	1	19	57
	Hollins	General	6	32	480
	Cave Spring	General/Advanced	5	76	2812
Rockbridge	Goshen	General	2	4	32
	Lexington	General	8	71	1065
	Lexington	General	1	18	180
Rockingham	Broadway	First Aid/CPR	2	12	216
	Rockingham	Fire Prevention	10	118	1180
	Trottoes	General	1	21	630
	N-Elkton	General/Advanced	1	21	1260
	N-Harrisonburg	General/Advanced	17	68	476
Russell	Dante	General	2	20	300
	Honaker	General	2	17	255

N-No Fire Service Training Funds Involved

<u>COUNTY</u>	<u>DEPARTMENT OR SCHOOL</u>	<u>TYPE OF COURSE</u>	<u>NO. OF DEPTS.</u>	<u>NO. ENROLL</u>	<u>MANPOWER HOURS</u>
Scott					
Shenandoah	Woodstock	Advanced	8	32	480
	N-Fort Valley	General	1	16	48
	Orkney Springs	General	7	73	1095
Smyth	Atkins	General	2	27	405
	Marion	General	1	15	180
	Marion	General	4	17	102
Southampton	N-Franklin	Explosion Cont.	9	91	273
	N-Franklin	General	2	10	40
Stafford	Falmouth	Advanced	9	22	330
	Falmouth	General	4	20	570
	Stafford	Light Rescue	5	48	864
	Falmouth	PUMP Aerial	5	54	864
Surry	VEPCO	General	4	22	880
	Surry	General	4	35	1050
	Surry	Fire Brigade	2	19	760
	N-Surry	General	2	19	1140
Sussex	Jarratt	General	1	24	360
	Stony Creek	General	3	21	315
Tazewell	Richlands	Advanced	4	31	465
	Bluefield	General	26	89	1335
	Southwest Va. Com. Col.	General	11	40	3200
Warren	Front Royal	General	5	52	1560
	Shenandoah Farms	Communication	4	23	345
Washington	N-Abingdon	General	5	29	406
	Meadow View	General	3	27	405
	Damascus	General	2	42	420
	Virginia Highlands CC	General	43	120	5160
Westmoreland	Westmoreland	General	2	32	960
	Appalachia	General	3	15	225
	Montross	Advanced	1	11	198
Wise	Coeburne	General	4	24	360
Wythe	Rural Retreat	General/Advanced	2	23	345
	Max Meadows	General	3	18	270
	Max Meadows	General/Advanced	7	31	465
	Barten Springs	General	2	15	120
	Ivanhoe	General	2	18	270
	Polypenco	General	1	17	136
	Rural Retreat	General/Advanced	2	19	285
	Rural Retreat	General/Advanced	6	39	585

CITIES & TOWNS

Alexandria

N-No Fire Service Training Funds Involved

8

CITIES & TOWNS	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL.	MANPOWER HOURS
Ashland					
Bristol	Bristol	Advanced	11	49	392
	Bristol	General	25	190	6080
	Bristol	Bomb	20	484	1936
Blacksburg					
Buena Vista	Buena Vista	General	1	18	324
	Buena Vista	General	2	35	1050
Charlottesville					
Charlottesville	Charlottesville	Advanced	40	67	670
	N-Charlottesville	General	1	55	7095
	N-UVA	Portable Extin.	1	192	2304
	Charlottesville	Fire Serv. Mngmt	10	10	170
	N-Charlottesville	General	1	7	1120
	N-Charlottesville	Fire Ser. Mngt	1	28	840
Chesapeake					
Chesapeake	N-Chesapeake	Basic Training	1	63	4914
	N-Chesapeake	Basic	2	14	350
	N-Tidewater Com. Col.	College	4	45	1485
	N-Tidewater Com. Col.	College	4	45	1485
	N-Chesapeake	Basic	4	20	600
	N-Tidewater Com. Col.	General	9	68	4488
	Chesapeake	Tactics/Strategy	1	34	544
	N-Chesapeake	General	2	105	17955
	N-Chesapeake	General	1	31	3038
	N-Chesapeake	Advanced	10	75	1125
	N-Chesapeake	Basic for Officers	3	12	336
	Christiansburg				
Christiansburg	N-Christiansburg	General/Advanced	1	30	1530
Clifton Forge					
Colonial Heights					
Colonial Heights	N-Colonial Heights	General	1	45	900
Covington					
Covington	Covington	General	2	31	465
	Covington	General	3	21	252
	Covington	General	1	14	224
Danville					
Danville	N-Danville	General/Advanced	1	88	4224
	N-Danville	General	1	89	2937
Falls Church					
Falls Church	Falls Church	General	4	32	960
Fredericksburg					
Fredericksburg	Fredericksburg	General/Advanced	11	102	2448
Galax					
Galax	Galax	General/Advanced	2	30	450
	Galax	General	15	74	1110
Hampton					
Hampton	N-N.A.S.A.	General	1	14	210
	Hampton	Leadership	4	34	476
	N-Thomas Nelson Com. Col.	Instructor Cert.	5	18	360
Harrisonburg					
Harrisonburg	N-Harrisonburg	General	10	141	423
	N-Harrisonburg	Advanced	24	146	584
	N-Harrisonburg	General	3	30	360

N-No Fire Service Training Funds Involved

CITIES & TOWNS	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL.	MANPOWER HOURS
Harrisonburg (con't)	N-Harrisonburg Harrisonburg	General	6	24	288
		General	4	70	2030
Hopewell					
Lexington	N-Lexington	General	2	28	700
Lynchburg	Lynchburg		39	133	2394
	N-Bedford	General	2	139	3336
Martinsville	N-Martinsville	General	7	134	4020
	N-Martinsville	General	9	100	800
	Martinsville-Henry	General/Advanced	23	225	3375
	N-DuPONT	General	1	130	4160
Newport News					
Norfolk	Norfolk	General/Advanced	8	47	705
Petersburg	Petersburg	General/Advanced	23	71	1065
Portsmouth	N-Portsmouth	Fire Science	6	66	2178
	Portsmouth	Instructor Cert.	3	16	640
	N-Tidewater Com. Col.	Arson Detection	5	51	1683
	Portsmouth	General	1	13	2600
	Portsmouth	General	3	15	180
Radford	Radford	General	2	37	555
Richmond	N-J. Sgt. Reynolds CC	Fire Science	5	38	1672
	N-J. Sgt. Reynolds CC	General/Advanced	6	12	288
	N-J. Sgt. Reynolds CC	General/Advanced	6	14	336
	N-Richmond	General	1	75	125
	N-J. Sgt. Reynolds CC	General/Advanced	5	8	256
	N-J. Sgt. Reynolds CC	Fire Science	6	20	640
Roanoke	Roanoke	General/Advanced	9	34	408
	Roanoke	General	1	212	1696
	Roanoke	General	1	42	336
	Roanoke	General	1	248	11408
Salem	Salem	General/Pumps	1	37	878
	Salem	Advance	3	20	160
	Salem	General/Advanced	10	126	1512
	Salem	Breathing Apparatus	5	13	104
South Boston	South Boston	General	12	46	690
Staunton	Staunton	Pump/Hydraulics	25	102	1530
Virginia Beach	N-Virginia Beach	General	1	36	1476
	N-Virginia Beach	Recruit	1	12	5460
	N-Virginia Beach	General	13	33	808
	N-Virginia Beach	General/Advanced	1	17	5831
	N-Virginia Beach	General/Advanced	1	16	6160
	Virginia Beach	Advanced	5	113	3616
	Virginia Beach	Advanced	13	14	224

CITIES & TOWNS	DEPARTMENT OR SCHOOL	TYPE OF COURSE	NO. OF DEPTS.	NO. ENROLL	MANPOWER HOURS
Virginia Beach (con't)	N-Virginia Beach Virginia Beach	Instructor Cert. General/Advanced	2 23	12 57	480 912
Waynesboro	N-Waynesboro	General	1	10	80
Williamsburg					
Winchester	Winchester	Defensive Driving	5	47	705

Total No. of Schools - 376

Total Enrollment - 15,707

Total Manpower hours - 420,966

**COMMONWEALTH OF VIRGINIA
FIRE SERVICE TRAINING RECORD**

Appendix E

(Name) Last	First	Middle	Social Security No.	Student's Department
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Name of School	Location	Date
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GENERAL FIREMANSHIP				ADVANCED FIRE SERVICE TRAINING		
<u>Mandatory Subjects</u>	<u>Min. Hrs.</u>	<u>Max. Hrs.</u>	<u>No. Hrs.</u>	<u>Mandatory Subjects</u>	<u>Min. Hrs.</u>	<u>Max. Hrs.</u>
Organization and Operations	1	4	_____	Fire Ground Strategy and Tactics	3	15
Chemistry of Fire, Hazards & Causes	2	6	_____	Fire Dept. Management	6	20
Portable Fire Extinguishers	1	3	_____	Water Supply	1	6
Fire Hose Practices	3	9	_____	Training Programs	1	6
Fire Apparatus Practices	6	15	_____	Fire Prevention, Inspection and Programs	2	9
Ladder	3	8	_____	Fire Dept. Communication	2	6
Protective Clothing and Breathing Apparatus	3	6	_____	Building Construction	1	6
Small Tools & Forcible Entry	3	6	_____	Arson Detection	1	6
Ropes	1	3	_____	Peace Time Radiation Hazards	1	6
Salvage and Overhaul	3	6	_____	Fire Fighting During Civil Disturbances	1	6
Ventilation	3	6	_____	Firefighter Safety	1	6
Fire Stream Practices	3	15	_____	<u>Elective Subjects</u>		
Rescue	3	9	_____	Public Relations	0	3
Transportation Hazards	2	8	_____	Effective Speaking	0	9
<u>Elective Subjects</u>				Grading Schedules	0	3
Flammable Liquids/L.P. Gas Hazards	0	9	_____	SPECIAL COURSES		
Electrical Hazards	0	3	_____	_____	_____	_____
Vehicle Extrication	0	6	_____	_____	_____	_____
Structural Fires	0	6	_____	_____	_____	_____
Sprinkler Systems	0	3	_____	_____	_____	_____
Forest Fires	0	6	_____	_____	_____	_____
Pre-Fire Planning	0	6	_____	_____	_____	_____
First Aid & CPR Training	0	12	_____	Instructor's Signature _____		
Driver Training	0	6	_____			

STATE DEPARTMENT OF EDUCATION
FIRE SERVICE TRAINING

Appendix F

Projected General Firemanship training hours for 30 hour and 60 hour
cards and 120 hour certificate.

General Firemanship Subjects	Min	Max	15	30	45	60	75	90	105	120	Total
<u>Mandatory Subjects</u>											
Organization and Operations	1	4	2						2		4
Chemistry of Fire; Fire Hazards & Causes	2	6	2				2				4
Portable Fire Extinguishers	1	3		2							2
Fire Hose Practices	3	9	3	2				3			8
Fire Apparatus Practices	6	15			3	3	3	3	3		15
Ladders	3	8	2			2	3				7
Protective Clothing; Breathing Apparatus	3	6	3	2			1				6
Small Tools; Forcible Entry	3	6	3								3
Ropes	1	3		3							3
Salvage and Overhaul	3	6		3						3	6
Ventilation	3	6				3				3	6
Fire Stream Practices	3	15		3	3	3		3		3	15
Rescue	3	9			3		3			3	9
Transportation Hazards	2	8				2			2		4
<u>Elective Subjects</u>											
Flammable Liquids	0	6			3						3
Electrical Hazards	0	3							2		2
LP Gas Hazards	0	3				1					1
Structural Fires	0	6			3					3	6
Sprinkler Systems	0	3						3			3
Forest Fires	0	6				1					1
Pre-Fire Planning	0	6					3		3		6
First Aid	0	6									
Driver Training	0	6						3	3		6

PROPOSED FIRE SERVICE TRAINING FACILITIES

November 1975

PROPOSED SITES	EXISTING FACILITIES								REQUIRED FACILITIES							
	Pit	Tower	Drafting Facility	Hydrants	Smoke House	Class Room	Toilets	Burning Allowed	Pit	Tower	Drafting Facility	Hydrants	Smoke House	Class Room	Toilets	Burning Allowed
1. Bristol, City of									x	x	x	x	x	x	x	Yes
2. Charlottesville, City of		x		x		x	x		x	x	x	x	x	x	x	Yes
3. Chesterfield County	x	x	x	x	x	x	x	Yes						x		Yes
4. Clifton Forge, City of	x		x	x	x					x				x	x	Yes
5. Eastern Shore Area (1)									x	x	x	x	x	x	x	Yes
6. Loudoun County									x	x	x	x	x	x	x	Yes
7. Galax, City of		x		x	x	x		Yes	x		x				x	Yes
8. Hampton, City of		x		x	x	x	x	Yes	x		x					Yes
9. Hanover County	x	x	x		x		x	Yes				x		x		Yes
10. Lynchburg, City of									x	x	x	x	x	x	x	Yes
11. Martinsville, City of									x	x	x	x	x	x	x	Yes
12. Pulaski, Town of		x	x	x	x	x	x	Yes								
13. South Boston, City of	x	x	x	x	x	x	x	Yes								
14. Tidewater Area (2)									x	x	x	x	x	x	x	Yes
15. Winchester, City of		x		x	x	x	x	Yes	x			x				Yes

- (1) Located near center of peninsula giving consideration to proximity of most fire service units.
- (2) Located in either Chesapeake, Norfolk, Portsmouth or Virginia Beach depending upon joint efforts of these cities.

UTILIZATION OF PROPOSED FIRE TRAINING FACILITIES

	SITE	NUMBER FIRE DEPARTMENTS	NUMBER FIREFIGHTERS	TYPE
1.	Bristol, City of	73	897	2
2.	Charlottesville, City of	39	1,360	2
3.	Chesterfield County	36	1,183	2
4.	Clifton Forge, City of	46	1,669	3
5.	Eastern Shore Area	21	575	4
6.	Loudoun County	32	989	2
7.	Galax, City of	21	558	4
8.	Hampton, City of	25	1,055	2
9.	Hanover County	55	2,419	1
10.	Lynchburg, City of	35	1,264	2
11.	Martinsville, City of	37	1,203	3
12.	Pulaski, Town of	29	787	3
13.	South Boston, City of	36	1,072	2
14.	Tidewater Area	49	2,219	2
15.	Winchester, City of	<u>68</u>	<u>2,366</u>	3
	TOTALS	619 *	20,221	

* Includes volunteer companies within combination paid-volunteer fire departments.

TYPE 1 - Complete facility, staffed by Fire Service Training personnel

TYPE 2 - Complete facility, staffed by local fire department personnel.

TYPE 3 - Facility tailored to local fire service needs, staffed by local fire department personnel on a part time basis.

TYPE 4 - Facility tailored to local fire service needs, not staffed but under operational control of the local fire departments.

(Note: All facilities to be available to Fire Service Training and fire departments on a cooperative basis.)

FIVE YEAR COMPARISON OF TRAINING COST

Instructor Salaries



Cost of Administration, Supervision, Equipment and Training Aids



Dollars

240,000

210,000

180,000

150,000

120,000

90,000

60,000

30,000

1970-71

1971-72

1972-73

1973-74

1974-75

1975-76

Fiscal Year

136,972

142,046

172,000

185,730

221,148

230,916

7,684

58,465

79,277

0.3

767

119,930

87,288

83,581

92,723

97,717

115,381

110,986

4

1

29

88,1

1

4

