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April 11, 2005

To: Supervisor Gloria Molina, Chair
Supervisor Yvonne B. Burke
Supervisor Zev Yaroslavsky
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: David E. Janssen
Chief Administrative Officer

DEFIBRILLATORS IN SUPERIOR COURTHOUSES

On February 8, 2005, on motion of Supervisor Knabe, the Board instructed the Chief Administrative Officer to work with the Executive Officer/Clerk and the Presiding Judge of the Superior Court to determine the number of defibrillators and appropriate locations for installation at all Superior Courthouses, ensure training of courthouse staff and other personnel on the proper use of the defibrillators, and report back to the Board on costs.

The Automatic External Defibrillator (AED) is a computerized medical device that can check a person's heart rhythm, recognize a rhythm that requires a shock, and administer the appropriate level of shock to restore the heart rhythm. The ease of use allows a trained lay person to perform an emergency function which historically could only be performed by credentialed health professionals and trained emergency medical service (EMS) personnel.

The Cardiac Arrest Survival Act (CASA) signed into law in November 2000 (P.L. 106-505) recommends the placement of AEDs in Federal buildings and provides nationwide Good Samaritan protection that exempts from liability anyone who renders emergency treatment with a defibrillator.

The California Civil Code provides immunity from liability for entities, such as the County, that make AEDs available in their facilities, if the entity ensures that all employees providing the AED rescue function are trained in CPR and AED use, and follows particular emergency safety procedures including equipment testing, reporting, and development and implementation of plans and procedures.

Placement of Defibrillators

CAO staff met with various County and Court staff to determine the feasibility of locating AEDs in courthouses. According to EMS and the Fire Department Medical Director, to be most effective, a program should achieve a two- to three-minute response time from patient collapse to on-scene arrival of the AED with a trained rescuer. We estimate that an average of one AED is needed per floor per courthouse to achieve the desired response time. Excluding parking lots and Sheriff lock-up areas and limiting the AED placement to staff and public areas only, it appears that approximately 208 AED units are needed for the County Courthouses (Attachment I).

The location of the AEDs should be in strategic places accessible to trained rescuers, but secured due to the large amount of public use of the courthouses. All trained users should know the location of the AEDs and be able to access them as necessary. AEDs could be placed in cabinets in lobbies, hallways, first aid stations, reception areas, and near high public use areas.

Program and Training

There are two defibrillator programs: the Public Access Defibrillation (PAD) program using lay personnel, and the Public Safety AED program using sworn personnel.

The PAD program refers to the accessibility of the AED devices, and utilizes lay responders (non-medical, non-sworn personnel), who have been trained in CPR and in the appropriate use of AEDs. The PAD program includes designation of a program coordinator, two hours of mandatory training (in addition to basic CPR training), mandatory annual retraining in CPR and AED, maintaining hardware and support equipment on a regular basis and after each use, obtaining of medical direction and oversight, development of response plans and protocols, and integration with building security and local EMS systems.

The Public Safety AED program, which employs sworn personnel such as Sheriff's deputies, includes more stringent rules. This program requires designation of a program coordinator, obtaining of medical direction and oversight, applying for AED program approval with the EMS agency, a minimum of four hours of mandatory training (versus the two hours required by the PAD program), mandatory annual retraining of all sworn personnel, check of AED units every thirty days by on-site personnel, mandatory follow-up on patients, reporting to the EMS agency annually, periodic review by the EMS agency of training and skill rosters and AED maintenance, and a quality improvement plan to monitor the effectiveness of the program and determine the need for training and skills validation.

We are recommending that, if the program is implemented, five employees be trained for every unit acquired due to the locations of these units, the sizes of our courthouses, and the number of employees and visitors.

We have discussed the selection of personnel with the Superior Court staff who have indicated that the Presiding Judge and Court Counsel advised that court staff should not be assigned to perform the function of the AED rescuers. The Sheriff's Court Services Division has indicated their willingness to train their personnel on the use of AEDs and to provide the AED rescue function. Other departments' courthouse personnel are often either too transient or not regularly available. If this program is implemented, additional departments' training and participation should be considered on a court-by-court basis.

Costs

All AED models have similar features, but the slight differences allow them to meet a variety of needs. If it is determined that the County should implement the program, we would consider all models and make a selection based on the County's particular needs. The following estimate is based on the Power Heart AED model, which has been purchased by the Internal Services Department for the Fire Department. The initial cost of purchasing 208 units and their accessories, training of 1,040 personnel (an average of five employees per unit), and installing the units in wall-mounted cabinets is $510,000. Additional funding to maintain these units, replace accessories, replace the units every eight years, and retrain the personnel amount to an average of $142,000 per year. In addition, $132,000 per year would need to be provided to support a program coordinator to manage the program (estimate based on cost for a Sergeant, Sheriff). This cost estimate excludes the County employees' time spent on training and maintaining the AED units. Attachment II summarizes the estimated one-time and ongoing costs of an AED program.

Further direction from the Board is needed to develop an AED program and identify funding for such a program. If you have any questions regarding this matter, please feel free to contact me, or your staff may contact Al Tizani of my staff at (213) 974-1184.

DEJ:JSE
MV:AT:rr

c: Executive Officer, Board of Supervisors
County Counsel
Director of Internal Services
Executive Officer/Clerk, Los Angeles County Superior Court
Sheriff

DEFIBRILLATORS IN COUTHOUSES

BUILDING	ADDRESS	CITY	Public Floor	Number of Defibrillators
Airport Courthouse	11701 So. La Cienega Blvd	Los Angeles	10	10
Chatsworth Courthouse	9425 Penfield Avenue	Chatsworth	4	4
Edmund D. Edelman Children's Courthouse	201 Centre Plaza Drive	Monterey Park	6	6
Michael D. Antonovich Antelope Valley Courthouse	42011 W. 4th St	Lancaster	5	5
Los Padrinos Juvenile Courthouse	7281 E. Quill Dr.	Downey	1	1
San Fernando Courthouse	900 Third Street	San Fernando	5	5
San Fernando Courthouse Annex	919 1st St	San Fernando		
Central Civil West Courthouse	600 So. Commonwealth Ave	Los Angeles	8	8
Bellflower Courthouse	10025 East Flower Street	Bellflower	5	5
Monrovia Courthouse (Santa Anita)	300 West Maple Avenue	Monrovia	1	closed
Monrovia Courthouse-Division IV-	300 West Maple Avenue	Monrovia		
Monrovia Courthouse-Modular Annex Court-	300 West Maple Avenue	Monrovia		
David V. Kenyon Juvenile Justice Center	7625 So. Central Avenue	Los Angeles	1	1
Redondo Beach Courthouse	117 W. Torrance Blvd	Redondo Beach	1	1
Redondo Beach Courthouse-Annex	105 W. Torrance Blvd	Redondo Beach	1	1
San Pedro Courthouse Annex	638 So. Beacon Street	San Pedro	1	1
Van Nuys Courthouse (West)	14400 Erwin Street Mall	Van Nuys	10	10
Van Nuys Courthouse (East)	6230 Sylmar Avenue	Van Nuys	7	7
Van Nuys Courthouse-Trailer C	6230 Sylmar Ave	Van Nuys		
Van Nuys Courthouse-Trailer D	6230 Sylmar Ave	Van Nuys		
Van Nuys Courthouse-Trailer F	14400 W. Delano St	Van Nuys		
Downey Courthouse	7500 East Imperial Highway	Downey	4	4
Santa Monica Courthouse	1725 Main Street	Santa Monica	3+ annex	4
West Los Angeles Courthouse	1633 Purdue Avenue	Los Angeles	2	2
West Los Angeles Courthouse-Trailer #1 Jury Assb	1633 Purdue Avenue	Los Angeles	1	1
West Los Angeles Courthouse-Trailer #2	1633 Purdue Avenue	Los Angeles	storage	
West Los Angeles Courthouse-Trailer #3	1633 Purdue Avenue	Los Angeles	storage	
Catalina Courthouse	215 Sumner Avenue	Avalon	1	1
Huntington Park Courthouse	6548 Miles Avenue	Huntington Park	2+Mez	3
Lancaster Courthouse	1040 W. Avenue J	Lancaster	2	2
Lancaster Juvenile Courthouse	1000 West Avenue J	Lancaster		0
Lancaster Jury Assembly	1040 Avenue J	Lancaster		
Lancaster Juvenile Delinquency Court	1010 West Avenue J	Lancaster		0
Lancaster Courthouse (Annex)	1040 West Avenue J	Lancaster		0
Lancaster Courthouse (Annex Addition)	1040 West Avenue J	Lancaster		0
Stanley Mosk Courthouse	111 No. Hill Street	Los Angeles	9	18
Mental Health Courthouse	1150 No. San Fernando Rd	Los Angeles	1	1
Clara Shortridge Foltz Criminal Justice Center	210 W. Temple Street	Los Angeles	10	6
Central Arraignment Courthouse	429 Bauchet Street	Los Angeles	1+ lobby	2
Metropolitan Courthouse	1945 So. Hill Street	Los Angeles	8	8
Hollywood Courthouse	5925 Hollywood Blvd	Hollywood	2	2
East Los Angeles Courthouse	214 So. Fetterly Avenue	Los Angeles	5	5
Eastlake Juvenile Courthouse	1601 Eastlake Avenue	Los Angeles	1	1
Sylmar Juvenile Courthouse-San Fernando	16350 Filbert Street	Sylmar	1	1
Pomona Courthouse (North)	350 W. Mission Blvd	Pomona	2	2
Pomona Courthouse (South)	400 Civic Center Plaza	Pomona	7	7
West Covina Courthouse (Citrus)	1427 West Covina Pkwy	West Covina	1	1
El Monte Courthouse (Rio Hondo)	11234 E. Valley Blvd	El Monte	4	4
Glendale Courthouse	600 E. Broadway	Glendale	2 + Annex	2
Pasadena Courthouse	300 E. Walnut Avenue	Pasadena	6	6

BUILDING	ADDRESS	CITY	Public Floor	Number of Defibrillators
Pasadena Municipal Courthouse	301 E. Walnut Avenue	Pasadena	2	2
Alhambra Courthouse	150 W. Commonwealth	Alhambra	4	4
Santa Clarita Courthouse (Newhall)	23747 W. Valencia Blvd	Santa Clarita	1+1 annex	2
Long Beach Courthouse	415 W. Ocean Blvd	Long Beach	6	6
San Pedro Courthouse	505 So. Centre Street	San Pedro	2	2
Compton Courthouse	200 W. Compton Blvd	Compton	11	11
Norwalk Courthouse	12720 Norwalk Blvd	Norwalk	7	7
South Gate Courthouse	8640 California Avenue	South Gate	1	closed
Whittier Courthouse	7339 S. Painter Avenue	Whittier	3	3
Torrance Courthouse (South Bay)	825 Maple Avenue	Torrance	5	5
Torrance Courthouse-Traffic Division	3221 Torrance Blvd	Torrance	1	1
Torrance Courthouse-Annex-	3221 Torrance Blvd	Torrance	1	1
Torrance Courthouse-Jury Assembly	825 Maple Avenue	Torrance	1	1
Inglewood Courthouse	One E. Regent Street	Inglewood	6	6
Inglewood Juvenile Courthouse	110 Regent Street	Inglewood	2	2
Malibu Courthouse	23519-533 Civic Center Way	Malibu	1	1
Beverly Hills Courthouse	9355 Burton Way	Beverly Hills	4	4
Culver City Courthouse	4130 Overland Avenue	Culver City	1	closed
Culver City Courthouse-Modular Annex	4130 Overland Avenue	Culver City		
Burbank Courthouse	300 E. Olive	Burbank	2	2
Burbank Courthouse Tunnel	300 E. Olive	Burbank		
Lynwood Regional Justice Center (closed)	11701 S. Alameda St	Lynwood		closed
TOTAL				208

DEFIBRILLATORS COST ESTIMATE

Attachment II

Description	LA County Price per unit	Number of units needed	Cost	Average Yearly Cost	Source
ONE-TIME COST					
Defirillators,	$ 1,749	208	$ 363,748		ISD
cabinet	$ 227	208	$ 47,185		
Training	$ 65	1,040	$ 67,600		LA City
Ready Kit	$ 29	208	$ 6,026		
Carrying case	$ 97	208	$ 20,274		
Quick Start Tool Kit	$ 65	58	$ 3,768		
TOTAL			**$ 508,601**		
ONGOING COSTS					
Annual cost					
training Staff	$ 65	1,040	$ 67,600	$ 67,600	LA City
Additional Cost Every 2 years					
Defibrillation Electrodes (adult)	$ 29	430	$ 12,285		ISD
Defibrillation Electrodes (Pediatric)	$ 64	215	$ 13,829		
Total			$ 26,114	$ 13,057	
Additional Cost Every 5 years					
Battery	$ 257	208	$ 53,404	$ 10,681	ISD
Additional Cost Every 6 years					
Repair for 20% of the units	$ 250	42	$ 10,400	$ 1,733	Fire Dept
Replace AED every 8 years					
Defibrillators	$ 1,749	208	$ 363,748		ISD
Ready Kit	$ 29	208	$ 6,026		
Carrying case	$ 97	208	$ 20,274		
Quick Start Tool Kit	$ 65	58	$ 3,768		
Subtotal			$ 393,816	$ 49,227	
Aunnual Subtotal				$ 142,298	
Program Coordinator				$ 132,000	Sheriff
TOTAL				**$ 274,298**	

AT:\Defibrillators cost