

## RESOLUTION

### BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

THAT the Mayor be authorized to sign the application for the Metropolitan Medical Response System (MMRS) FY04 Program Continuation Grants. The application and associated forms are required in order for the City of El Paso to receive Federal Terrorism funding for three major grant funding areas to include Capability Focus Areas, Sustainment of Enhanced Capabilities for the Existing El Paso Metropolitan Medical Response System and Special Project Funding. The period of performance for these grants is October 1, 2004, to March 31, 2006, and will be administered by the El Paso City/County Office of Emergency Management. There is no cost to the City of El Paso.

APPROVED this 17th day of August, 2004.

CITY OF EL PASO

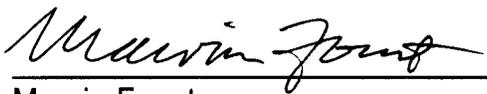
\_\_\_\_\_  
Joe Wardy  
Mayor

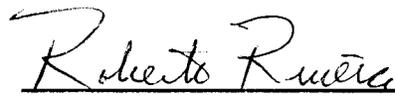
ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

APPROVED AS TO CONTENT:

  
\_\_\_\_\_  
Marvin Foust  
Assistant City Attorney

  
\_\_\_\_\_  
Roberto Rivera  
Fire Chief

GA 88-2004

# GRANT APPLICATION REVIEW

DEPARTMENT  
Fire Department

TYPE OF GRANT  
Metropolitan Medical Response System

CONTROL #  
819

GRANTOR  
FEMA

EFFECTIVE DATE  
October 1, 2004

MATCHING FUND REQ  
 YES  NO

SOURCE OF FUNDS (GRANT AMOUNT, MATCHING, IN-KIND, INTERGOVERN.)  
Funds in the amount of \$566,800 from FEMA

PERSONNEL FUNDED BY GRANT  
N/A  
AUG 12 '04 AM 8:04

BRIEFLY DESCRIBE HOW GRANT WILL BE USED AND ANY SPECIAL CONDITIONS FOR GRANT:  
To continue and sustain the existing El Paso MMRS Terrorism Program.

REVIEWED BY:	OMB <i>OK 8/12/04 David A. ... 8-12-04</i>
CHIEF FINANCIAL OFFICER <i>[Signature]</i>	GRANTS ACCOUNTING MANAGER DT 8/12/04
CHIEF ADMINISTRATIVE OFFICER <i>[Signature]</i>	GRANTS COORDINATOR Thomas M. Doyle 8/11/04
COMMENTS	

**APPLICATION FOR  
FEDERAL ASSISTANCE**

OMB Approval No. 03

<b>1. TYPE OF SUBMISSION:</b> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction	<b>2. DATE SUBMITTED</b> August 19, 2004	Applicant Identifier
	<b>3. DATE RECEIVED BY STATE</b>	State Application Identifier
	<b>4. DATE RECEIVED BY FEDERAL AGENCY</b>	Federal Identifier

**5. APPLICANT INFORMATION**

Legal Name: <b>City of El Paso DUNS #058873019</b>	Organizational Unit: <b>El Paso City/County Office of Emergency Management</b>
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Address (give city, county, State, and zip code): 2 Civic Center Plaza, 7th Floor El Paso, Texas 79901	Name and telephone number of person to be contacted on matters involving this application (give area code) <b>Chief Ray Apodaca 915-771-1010</b>
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<b>6. EMPLOYER IDENTIFICATION NUMBER (EIN):</b> <input type="text" value="7"/> <input type="text" value="4"/> - <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="9"/>	<b>7. TYPE OF APPLICANT: (enter appropriate letter in box)</b> <input checked="" type="checkbox"/> C
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<b>8. TYPE OF APPLICATION:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award    B. Decrease Award    C. Increase Duration D. Decrease Duration    Other (specify): _____	A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify _____)
<b>9. NAME OF FEDERAL AGENCY:</b> <b>Federal Emergency Management Agency</b>	

<b>10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:</b> <input type="text" value="9"/> <input type="text" value="7"/> - <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="1"/> TITLE <b>Metropolitan Medical Response Systems Program 0 97.071</b>	<b>11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:</b> <b>FY 2004 Metropolitan Medical Response Systems Program</b>
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<b>12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):</b> <b>City of El Paso, Texas</b>
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<b>13. PROPOSED PROJECT:</b>	<b>14. CONGRESSIONAL DISTRICTS OF:</b> <b>16th District of Texas</b>
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Start Date: <b>10-01-2004</b> Ending Date: <b>03-31-2006</b>	a. Applicant: <b>16th District of Texas</b>	b. Project: <b>16th District of Texas</b>
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<b>15. ESTIMATED FUNDING:</b>	<b>16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?</b>																												
<table border="1"> <tr> <td>a. Federal</td> <td>\$</td> <td>566,800.00</td> <td>.00</td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>c. State</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td>566,800.00</td> <td>.00</td> </tr> </table>	a. Federal	\$	566,800.00	.00	b. Applicant	\$		.00	c. State	\$		.00	d. Local	\$		.00	e. Other	\$		.00	f. Program Income	\$		.00	g. TOTAL	\$	566,800.00	.00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:  DATE _____  b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input checked="" type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
a. Federal	\$	566,800.00	.00																										
b. Applicant	\$		.00																										
c. State	\$		.00																										
d. Local	\$		.00																										
e. Other	\$		.00																										
f. Program Income	\$		.00																										
g. TOTAL	\$	566,800.00	.00																										
<b>17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?</b> <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No																													

**18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.**

a. Type Name of Authorized Representative <b>Joe Wardy</b>	b. Title <b>Mayor</b>	c. Telephone Number <b>915-541-4145</b>
d. Signature of Authorized Representative		e. Date Signed

APPROVED AS TO FORM:



Marvin K. Foust  
Assistant City Attorney

APPROVED AS TO CONTENT:

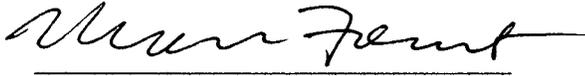


Roberto Rivera  
Fire Chief

FEDERAL EMERGENCY MANAGEMENT AGENCY BUDGET INFORMATION—NONCONSTRUCTION PROGRAMS				See reverse for Paperwork Burden Disclosure Notice	Page of pages	OMB No. 3067-0206 Expires February 29, 2004
1. PROGRAM AGENCY AND ORGANIZATION ELEMENT TO WHICH REPORT IS SUBMITTED Federal Emergency Management Agency		2. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED MMRS CFDA #97.071		3. RECIPIENT ORGANIZATION (Name and complete address, including zip code) City of El Paso 2 Civic Center Plaza, 7th Floor El Paso, Texas 79901		
4. EMPLOYER IDENTIFICATION  EIN #74-6000749		5. RECIPIENT ACCOUNT NUMBER OR I.D. NO.		6. BUDGET PERIOD (Month, Day, Year) Beginning Date: 10-01-2004 Ending Date: 03-31-2006		7. Mark "X" in Appropriate Box <input checked="" type="checkbox"/> New Budget <input type="checkbox"/> Revised Budget. Enter Grant Number in Box 2 above Date of Budget Revision:
8. FEDERAL RATE SHARING (%)		100.0 (%)	100.0 (%)	100.0 (%)	(%)	Total
9. PROGRAM ACRONYM CFDA NUMBER		MMRS CFA 97.071	MMRS S 97.071	MMRS SP 97.071		
10.  Object Class	a. Personnel					
	b. Fringe Benefits					
	c. Travel			4,000.00		4,000.00
	d. Equipment	213,000.00	75,000.00	100,800.00		388,800.00
	e. Supplies	47,000.00	50,000.00	3,600.00		100,600.00
	f. Contractual			48,400.00		48,400.00
	g. Construction					
	h. Other		25,000.00			25,000.00
	i. Total Direct Charges (10a to 10h)	260,000.00	150,000.00	156,800.00		566,800.00
	j. Indirect Charges					
	k. Total (Sum of 10i & 10j)	260,000.00	150,000.00	156,800.00		566,800.00
Source	l. Federal Share	260,000.00	150,000.00	156,800.00		566,800.00
	<i>Non-Federal Resources:</i>					
	m. Applicant					
	n. State					
	o. Local					
	p. Other Sources					
q. Total (Sum of 10l to 10p)	260,000.00	150,000.00	156,800.00		566,800.00	
Income	r. Program Income					
Indirect Cost	s. Detail on Indirect Cost Type of Rate (mark "X" in one box) <input type="checkbox"/> Provisional-Final <input type="checkbox"/> Predetermined <input type="checkbox"/> Fixed with Carry-Forward					
	Rate:                    %		Total Amount of Indirect Cost: _____		Base: _____	
11. Signature of Authorizing Official		12. Name and Title (Type or print)  Joe Wardy, Mayor		13. Telephone Number (Area code, Number and Extension)  915-541-4145		Date Report Submitted  August 19, 2004

ATTEST: \_\_\_\_\_  
Richarda Duffy Momsen, City Clerk

APPROVED AS TO FORM:



Marvin K. Foust  
Assistant City Attorney

APPROVED AS TO CONTENT:



Roberto Rivera  
Fire Chief

**FEMA Form 20-16, FEB 01**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SUMMARY SHEET FOR ASSURANCES AND CERTIFICATIONS

O.M.B. No. 3067-0206  
Expires February 29, 2004

FOR  
FY 2004

CA FOR (Name of Applicant)  
City of El Paso

This summary sheet includes Assurances and Certifications that must be read, signed, and submitted as a part of the Application for Federal Assistance.

An applicant must check each item that they are certifying to:

- Part I  FEMA Form 20-16A, Assurances-Nonconstruction Programs
- Part II  FEMA Form 20-16B, Assurances-Construction Programs
- Part III  FEMA Form 20-16C, Certifications Regarding Lobbying; Debarment, Suspension, and Other Responsibility Matters; and Drug-Free Workplace Requirements
- Part IV  SF LLL, Disclosure of Lobbying Activities (If applicable)

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the identified attached assurances and certifications.

Joe Wardy

Mayor

Typed Name of Authorized Representative

Title

Signature of Authorized Representative

Date Signed

ATTEST:

Richarda Duffy Momsen, City Clerk

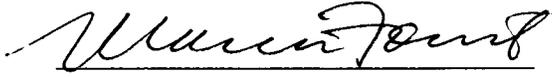
**NOTE: By signing the certification regarding debarment, suspension, and other responsibility matters for primary covered transaction, the applicant agrees that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by FEMA entering into this transaction.**

**The applicant further agrees by submitting this application that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the FEMA Regional Office entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. (Refer to 44 CFR Part 17.)**

**Paperwork Burden Disclosure Notice**

"Public reporting burden for this form is estimated to average 1.7 hours per response. Burden means the time, effort and financial resources expended by persons to generate, maintain, retain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the form, including suggestions for reducing the burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (3067-0206). You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Please do not send your completed form to the above address.

APPROVED AS TO FORM:



Marvin K. Foust  
Assistant City Attorney

APPROVED AS TO CONTENT:



Roberto Rivera  
Fire Chief

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ASSURANCES-NON-CONSTRUCTION PROGRAMS

**Note:** Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

CITY OF EL PASO

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. Section 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration) 5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. Sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Section 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. Sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) Sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290-dd-3 and 290-ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Acts of 1968 (42 U.S.C. Section 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Title II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or Federally assisted programs. These requirements apply to all interest in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply with provisions of the Hatch Act (5 U.S.C. Sections 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. Sections 276a to 276a-7), the Copeland Act (40 U.S.C. Section 276c and 18 U.S.C. Sections 874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. Sections 327-333), regarding labor standards for federally assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.

**11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. Section 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. Section 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).**

**12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Section 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.**

**13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).**

**14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.**

**15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.**

**16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. Section 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.**

**17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984.**

**18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.**

**19. It will comply with the minimum wage and maximum hours provisions of the Federal Fair Labor Standards Act (29 U.S.C. 201), as they apply to employees of institutions of higher education, hospitals, and other non-profit organizations.**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ASSURANCES-CONSTRUCTION PROGRAMS

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant: CITY OF EL PASO

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure nondiscrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or state.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. Sections 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. Sections 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. Sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Section 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. Sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to non-discrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to non-discrimination on the basis of alcohol abuse or alcoholism; (g) Sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Acts of 1968 (42 U.S.C. Section 3601 et seq.), as amended, relating to non-discrimination in the sale, rental or financing of housing; (i) any other non-discrimination provision in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other non-discrimination statute(s) which may apply to the application.
11. Will comply, or has already complied, with the requirements of Title II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or Federally assisted programs. These requirements apply to all interest in real property acquired for project purposes regardless of Federal participation in purchase.
12. Will comply with provisions of the Hatch Act (5 U.S.C. Sections 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. Sections 276a to 276a-7), the Copeland Act (40 U.S.C. Section 276c and 18 U.S.C. Section 874), the Contract Work Hours and Safety Standards Act (40 U.S.C. Sections 327-333) regarding labor standards for federally assisted construction subagreements.

14. Will comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.

15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. Section 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. Section 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).

16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Section 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984.

19. Will comply with all applicable requirements of all other Federal laws, Executive Orders, regulations and policies governing this program.

20. It will comply with the minimum wage and maximum hours provisions of the Federal Fair Labor Standards Act (29 U.S.C. 201), as they apply to employees of institutions of higher education, hospitals, and other non-profit organizations.

21. It will obtain approval by the appropriate Federal agency of the final working drawings and specifications before the project is advertised or placed on the market for bidding; that it will construct the project, or cause it to be constructed, to final completion in accordance with the application and approved plans and specifications; that it will submit to the appropriate Federal agency for prior approval changes that alter the cost of the project, use of space, or functional layout, that it will not enter into a construction contract(s) for the project or undertake other activities until the conditions of the construction grant program(s) have been met.

22. It will operate and maintain the facility in accordance with the minimum standards as may be required or prescribed by the applicable Federal, State, and local agencies for the maintenance and operation of such facilities.

23. It will require the facility to be designed to comply with the "American Standard Specifications for Making Buildings and Facilities Accessible to, and Usable by, the Physically Handicapped," Number A117. - 1961, as modified (41 CFR 101-17.703). The applicant will be responsible for conducting inspections to ensure compliance with these specifications by the contractor.

24. If any real property or structure thereon is provided or improved with the aid of Federal financial assistance extended to the applicant, this assurance shall obligate the applicant, or in the case of any transfer of such property, any transfer, for the period during which the real property or structure is used for a purpose for which the Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits.

25. In making subgrants with nonprofit institutions under this Comprehensive Cooperative Agreement, it agrees that such grants will be subject to OMB Circular A-122, "Cost Principles for Non-profit Organizations" included in Vol. 49, Federal Register, pages 18260 through 18277 (April 27, 1984).

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
CERTIFICATIONS REGARDING LOBBYING; DEBARMENT, SUSPENSION AND  
OTHER RESPONSIBILITY MATTERS; AND DRUG-FREE WORKPLACE REQUIREMENTS**

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 44 CFR Part 18, "New Restrictions on Lobbying; and 28 CFR Part 17, "Government-wide Debarment and suspension (Nonprocurement) and Government-wide Requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Federal Emergency Management Agency (FEMA) determines to award the covered transaction, grant, or cooperative agreement.

**1. LOBBYING**

A. As required by section 1352, Title 31 of the U.S. Code, and implemented at 44 CFR Part 18, for persons entering into a grant or cooperative agreement over \$100,000, as defined at 44 CFR Part 18, the applicant certifies that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

(b) If any other funds than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or an employee of Congress, or employee of a member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in accordance with its instructions;

(c) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontract(s) and that all subrecipients shall certify and disclose accordingly.

Standard Form LLL, "Disclosure of Lobbying Activities" attached. (This form must be attached to certification if nonappropriated funds are to be used to influence activities.)

**2. DEBARMENT, SUSPENSION, AND OTHER  
RESPONSIBILITY MATTERS  
(DIRECT RECIPIENT)**

As required by Executive Order 12549, Debarment and Suspension, and implemented at 44 CFR Part 67, for prospective participants in primary covered transactions, as defined at 44 CFR Part 17, Section 17.510-A. The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or had a civilian judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or perform a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or shall shall attached an explanation to this application.

**3. DRUG-FREE WORKPLACE  
(GRANTEES OTHER THAN INDIVIDUALS)**

As required by the Drug-Free Workplace Act of 1988, and implemented at 44 CFR Part 17, Subpart F, for grantees, as defined at 44 CFR Part 17, Sections 17.615 and 17.620:

A. The applicant certifies that it will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions tht will be taken against employees for violation of such prohibition;

(b) Establishing an on-going drug free awareness program to inform employees about:

- (1) The dangers of drug abuse in the workplace;
- (2) The grantee's policy of maintaining a drug-free workplace;
- (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
- (4) the penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant to be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:

(1) Abide by the terms of the statement; and

(2) Notify the employee in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

(e) Notifying the agency, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the applicable FEMA awarding office, i.e., regional office or FEMA office.

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency.

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

8. the grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, City, County, State, Zip code)

**8600 Montana Ave**  
**El Paso, Texas 79925**

**Attn: Ray Apodaca, MMRS Project Officer**

Check  if there are workplaces on file that are not identified here.

Section 17.630 of the regulations provide that a grantee that is a State may elect to make one certification in each Federal fiscal year. A copy of which should be included with each application for FEMA funding. States and State agencies may elect to use a Statewide certification.



## **FY 2004 MMRS Continuation Grants Program Narrative Statement**

The City of El Paso was selected by the U.S. Department of Health and Human Services (DHHS) to establish a Metropolitan Medical Response System (MMRS) in 1999. El Paso completed the MMRS baseline contract deliverables and submitted the final report on January 2002. The completed El Paso MMRS achieved an enhanced capability necessary to respond to a potential terrorism or accidental mass casualty event.

The City of El Paso submits this Program Narrative Statement to the Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), as part of the FY 2004 MMRS Continuation Grant application package.

El Paso is requesting consideration from FEMA for FY04 MMRS grant funding in the following grant components:

1. Capability focus areas
  2. Sustainment of enhanced capabilities for the existing El Paso MMRS
  3. Special projects
  4. Grant Budget
  5. Budget Narrative
- 1) Capability Focus Areas: estimated grant funding is \$260,000.00. The El Paso MMRS focus areas include:
- Radiological medical and health effects preparedness
  - Emergency alerting system/emergency public information
  - NIMS compatibility
  - Quarantine and isolation preparedness
  - Geographic Information Systems
- a) Radiological medical and health effects preparedness to manage exposed and contaminated victims, population protection, and environmental health impacts of a radiological/nuclear release or detonation: estimated grant funding \$20,000.00 (\$10,000.00 for local cache of Potassium Iodide and \$7,000.00 for education information program).
- i) The El Paso MMRS Steering Committee will coordinate and partner with emergency medical services, area hospitals, and the El Paso Cancer Treatment Center to manage and provide treatment to first responders and exposed victims.
  - ii) The El Paso MMRS Steering Committee will partner with the Far West Texas and Southern New Mexico Regional Advisory Council on Trauma (RAC) to establish a public health and public education information program designed for accidental or intentional release of radiological and nuclear devices.
  - iii) The El Paso Fire Department Hazardous Material Response Team will identify radiation and nuclear detection equipment that has been previously purchased or provided through local, state, MMRS and other federal funding programs.

- iv) Fire Department personnel will identify additional radiological/nuclear detection equipment that will be purchased with funds from the FY04 MMRS grant to enhance current response capabilities. The existing and future equipment will be deployed in the event of an accidental or intentional release of radiological and nuclear devices.
- v) To provide immediate and emergency treatment for victims of radiological and nuclear incidents, the El Paso MMRS will establish a local cache of Potassium Iodide (KI).
  - (1) The local cache of KI will provide an immediate supply to treat first responders and exposed victims at an estimated cost of \$10,000.00.
  - (2) This local cache will provide KI treatment during the first 24-hour period after an accidental or intentional release, pending request and delivery of the Strategic National Stockpile (SNS).
  - (3) Sufficient doses of KI will be requested through the SNS to provide the El Paso MMRS with the capability to treat a minimum of 25,000 contaminated victims (10,000 acutely exposed and 15,000 moderately exposed) and 25,000 displaced victims.
- b) Emergency Alerting System/ Emergency Public Information: estimated grant funding \$40,000 (\$30,000 for emergency backup power for the El Paso Emergency Alert System (EAS), and \$10,000.00 for message templates and public information media).
  - i) The El Paso EAS is currently used to provide public warning to the citizens of El Paso County via local television broadcasters, AM/FM radio broadcasters, and the El Paso National Weather Service (NWS). The local EAS and NWS have partnered to provide public warnings via NOAA weather radios.
    - (1) Officials at the U.S. Department of Homeland Security Information Analysis and Infrastructure Protection directorate and the National Oceanic and Atmospheric Administration (NOAA) have signed an agreement permitting DHS to send all-hazards alerts through NOAA's public warning system.
    - (2) All El Paso EAS messages are broadcast in English and Spanish for the El Paso, Texas/Juarez, Mexico international border region.
    - (3) The El Paso City/County Office of Emergency Management (OEM) has distributed NOAA weather alert radios to all area schools, daycares, area hospitals, etc.
      - (a) These NOAA radios have been purchased and distributed to the public with non-MMRS funds.
      - (b) The general public is also encouraged to purchase a NOAA weather alert radio as part of their disaster preparedness.
      - (c) The NOAA radios allow the general public to receive public warnings 24-hours a day, 7-days a week.
      - (d) The El Paso OEM recently received a national award for their current EAS/NOAA weather radio public warning system.
  - ii) The El Paso OEM will review and revise the existing El Paso Emergency Operations Plan, Public Warning Annex, Emergency Public Information

Annex, existing EMS system, and the El Paso Terrorism Plan to incorporate pre-event emergency public information messages and templates for public dissemination.

- iii) The El Paso OEM will ensure that the EAS and emergency public information templates and messages will include self-help instructions for radiological, biological, and chemical incidents.
- c) National Incident Management System (NIMS): estimated grant funding \$95,000.00 (\$75,000.00 for resource management system and \$20,000.00 for NIMS regional training and operation plan revisions) to comply with the NIMS and National Response Plan responsibilities, standards and requirements.

The El Paso MMRS will prepare new and revise existing operational plans to address:

- i) The identification of local units of government, regional/area boundaries, existing mutual aid agreements, and provide a description of how mass casualty incident response planning will be coordinated.
  - ii) El Paso will establish an incident command/unified command system description for the MMRS operational area, to include a copy of the incident command Standard Operating Procedure and organization chart.
  - iii) El Paso will purchase and establish a new resource management process and supporting automated system(s), to include: identifying, typing, inventorying, requesting, ordering, acquiring, and tracking resources. (\$75,000.00 Estimated grant funding for WebEOC or comparable automated resource management system.)
  - iv) The El Paso MMRS will provide NIMS implementation training with FY04 MMRS grant funding.
- d) Quarantine and isolation preparedness of persons within the El Paso MMRS jurisdiction: estimated grant funding for equipment is \$48,000.00.
- i) The Director for the El Paso City/County Health District is the local health official that has the appropriate legal authority to establish quarantine and isolation areas. This authority is identified in the baseline MMRS deliverables, and the El Paso City/County Emergency Operations Plan.
  - ii) As identified in the MMRS baseline deliverables, the City of El Paso will use local law enforcement, El Paso Police Department and El Paso County Sheriffs, to enforce quarantine and isolation areas. If the need arises, the deliverables also identify the local agreement with the U.S. Border Patrol (BP) to provide BP officers to assist with enforcement of isolation areas and lock-down procedures for areas hospitals.
  - iii) The El Paso MMRS Steering Committee will partner with the El Paso City/County Health District to draft emergency public information messages related to the establishment of quarantine and isolation areas.
  - iv) To enhance the local capacity for quarantine and isolation of contaminated and exposed victims, El Paso is requesting \$48,000.00 in MMRS grant funds

for the purchase of Air Treatment Systems that provide airborne infection control and compliance with OSHA and CDC guidelines.

- (1) The systems requested are the NQ500 or comparable system.
  - (2) The existing MMRS Custodial Agreement between the City of El Paso and the six area hospitals will be amended to provide the air treatment systems to the area healthcare facilities in order to enhance the current quarantine and isolation capacity.
  - (3) The air treatment systems are portable/mobile units and can be activated to establish individual quarantine/isolation rooms or treatment wards.
- e) Geographic Information System (GIS) to support MMRS risk assessment, planning, training, exercising, and operations: estimated grant funding \$60,000.00.
- i) GIS project to enhance MMRS command decision-making, resource management, training delivery, emergency public warning and risk communication.
  - ii) GIS project to update planning and equipment for mass casualty incidents relating to radiological, nuclear, chemical and biological incidents.
  - iii) GIS project includes:
    - (1) Procurement of ruggedized, portable, and wireless tough-book computers/PDAs and associated equipment to provide first responders access to fixed facility hazardous material Tier II reports that are mandated by the EPA.
      - (a) Facilities covered by The Emergency Planning and Community Right to Know Act (EPCRA) must submit an emergency and hazardous chemical inventory form to the LEPC, the SERC and the local fire department annually.
      - (b) Facilities provide either a Tier I or Tier II form. Texas requires the Tier II form. Tier II forms require basic facility identification information, employee contact information for both emergencies and non-emergencies, and information about chemicals stored or used at the facility:
        - (i) The chemical name or the common name as indicated on the MSDS;
        - (ii) An estimate of the maximum amount of the chemical present at any time during the preceding calendar year and the average daily amount;
        - (iii) A brief description of the manner of storage of the chemical;
        - (iv) The location of the chemical at the facility; and
        - (v) An indication of whether the owner of the facility elects to withhold location information from disclosure to the public.
    - (2) First responder emergency information includes response plans, chemical inventories, MSDS, site-plans and digital aerial photography, that will be obtained through wireless Internet on the EPA E-Plan website, <http://erplan.net> and existing Arc View GIS system.

- (3) First responders may access information that is provided to the El Paso County Local Emergency Planning Committee (LEPC) and local fire department, as required by the EPA SARA Title III: The Emergency Planning and Community Right-to-Know Act (EPCRA).
  - (4) GIS and hazardous material data related to fixed facilities and transportation cargo may prove vital in providing the Incident Commander a wide variety of general, technical and specialized information that may be beneficial for hazard analysis and the development of Incident Action Plans, particularly when evaluating possible chemical exposure for triage, treatment and transport of incident casualties.
  - (5) More than one hundred emergency responders from the El Paso metropolitan area were recently trained on the EPA E-Plan system.
  - (6) The requested GIS and wireless computers/PDAs will also be used to access OREIS (Operation Respond Emergency Information System), a resource that is provided by the railroads and the federal government. Additional information for OREIS may be referenced at <http://www.esinc.info>.
    - (a) This system will allow emergency responders to plan and respond to incidents involving rail commodities and fixed facilities.
    - (b) Very large volumes of extremely hazardous materials are transported through the community on the rail-lines in the El Paso area, including international shipment to and from Mexico.
    - (c) The ability to access timely and vital information for response field units currently is not available to the El Paso MMRS jurisdiction.
- 2) Sustainment of MMRS Capabilities: estimated grant funding is \$150,000.00 (\$75,000.00 for new and replacement equipment, \$50,000.00 for enhancement and replacement of pharmaceutical supplies, and \$25,000.00 for training and maintenance of El Paso MMRS).
- a) The purpose of this funding is to provide sustainment of enhanced response capabilities for the El Paso MMRS jurisdiction that was established through completion of the baseline MMRS deliverables on January 2002, including: updated planning and procedures, maintenance of pharmaceuticals/equipment and supplies caches, ongoing training, and exercise activities, and to expand the existing Interstate/Regional MMRS mutual aid agreement between the City of El Paso and Dona Ana County, New Mexico.
  - b) FY04 Sustainment funding will focus on updating the Sustainment Plan that is due on September 28, 2004 under the FY03 MMRS Sustainment contract.
  - c) The sustainment plan will address Pharmaceutical Cache Management, Assuring Currency of Planning, Training, Exercising and Equipping for the following types of incidents and events:
    - i) Radiological/Nuclear
    - ii) Biological
    - iii) Chemical
    - iv) High-yield Explosives

- v) Continuing operational area expansion initiated with the FY03 Interstate/Regional MMRS between the City of El Paso and Dona Ana County, New Mexico.
  - d) The sustainment plan will include estimates of the resources (human and material) necessary to sustain and enhance MMRS activities for the El Paso MMRS jurisdictional area for a period of two years.
    - i) The first year should correspond to Federal fiscal year 2005 (October 1, 2004 through September 30, 2005).
    - ii) The second year should correspond to Federal fiscal year 2006 (October 1, 2005 through September 30, 2006).
    - iii) The first year is intended as the sustainment execution year; the second year is intended as the sustainment-planning year.
    - iv) The MMRS Sustainment Template provided by FEMA will be used to submit the sustainment plan.
    - v) As part of the sustainment plan, El Paso will provide an updated MMRS Steering Committee membership roster.
  - e) Pharmaceuticals Cache Management:
    - i) El Paso will provide a two-year phased approach to maintenance and cache rotation.
    - ii) El Paso will integrate and coordinate the local MMRS pharmaceutical cache with the SNS stockpile and the ChemPack program.
      - (1) The El Paso MMRS cache may be deployed for any mass casualty incident, whether accidental or intentional event.
      - (2) El Paso will meet with the State of Texas Department of Health on August 18, 2004 to determine distribution of ChemPack antidotes.
  - f) El Paso will update Planning, Training, Exercising and Equipping for the following mass casualty incidents/events:
    - i) Radiological/Nuclear
    - ii) Biological, including the El Paso BioWatch program.
    - iii) Chemical
    - iv) High-Yield Explosives
- 3) Special Project funding:
- a) The City of El Paso is requesting the procurement of Two Bio-Seeq Hand-held PCRs through the FY04 MMRS Grant: estimated cost is \$61,200.00 (\$60,000.00 for two Bio-Seeq PCR-Based devices, and \$1,200.00 for sample prep cartridges).
    - i) This equipment will allow the local Hazardous Material Response Team to conduct field analysis of determined or recognized biological releases, accidental and intentional events.
    - ii) This equipment would enhance and compliment the El Paso MMRS ability to respond, monitor and evaluate biological substances with instrumentation analysis that measures the genetic material of biological organisms to include:
      - (1) Anthrax
      - (2) Smallpox
      - (3) Tularemia
      - (4) Plague

- iii) Currently, the most widely used biological field test is the Protein Strip test that requires further analysis at a laboratory.
  - iv) Due to the time required for laboratory analysis, this Bio-Seeq field testing equipment will allow for a rapid screening so that proactive action may be implemented, including pharmaceutical and medical treatment, if necessary.
  - v) For more information, reference website @ <http://www.smithsdetection.com>.
- b) Real-time Bio-surveillance and Response System for El Paso County, Texas -- Paso del Norte Bio-surveillance Response System (PdNBRs): estimated grant funding \$95,600.00 (Consultant cost - \$48,400.00, Equipment cost - \$39,600.00, Supplies cost - \$3,600.00, and Travel cost - \$4,000.00)
- i) This project will be administered and implemented by the El Paso City/County Health District.
  - ii) Overview and Purpose: Since September 11, 2001, the war on terror has escalated and our nation's readiness has been a critical concern among many sectors of our nation. The timely detection of bioterrorism-related threats and attacks is critical. Without early intervention, the costs associated with these attacks are undeterminable. The development of a real-time, computer-based bio-surveillance system has the greatest potential to provide public health officials with reliable, timely information necessary to abort and diminish the consequences of bioterrorism threats. In turn, this early warning system also offers the greatest potential for reducing the morbidity, mortality, and cost of such outbreaks.
  - iii) *What is Syndromic Surveillance?* By classic definition, public health surveillance is the on-going, systematic collection, analysis, interpretation, and dissemination of data regarding a health-related event for use in public health action to reduce morbidity and mortality. Syndromic surveillance uses data that are not diagnostic of a disease but which might provide an indication of early stages of an outbreak, particularly as it relates to a terrorist attack. The intent of syndromic surveillance is to respond to intentional, massive health-related threats.

The Centers for Disease Control and Prevention (CDC) identifies three related purposes for implementing syndromic surveillance systems: disease case detection and case management, outbreak management, and outbreak detection. Enhanced case detection and monitoring the course and population characteristics of a recognized outbreak are seen as benefits of syndromic surveillance with epidemics such as Severe Acute Respiratory Syndrome (SARS), a disease defined by a syndrome. Outbreak detection is the primary purpose for syndromic surveillance in terrorism preparedness such as the detection of outbreaks of gastroenteritis, a syndrome potentially indicative of a possible terrorist attack from an agent such as Ricin. Related values of syndromic surveillance include public reassurance during heightened risks of an outbreak, increased communication between public health and clinical providers, and improved clinical benefits to patients via enhanced monitoring.

iv) Paso del Norte Bio-surveillance Response System (PdNBRS):

The goal of the PdNBRS is to develop a comprehensive, real-time bio-surveillance system with the capacity to identify, locate, quantify, and qualify indicators of bioterrorism threats within the sister city region of El Paso, Texas and Ciudad Juarez, Chihuahua, Mexico. However, once the model is developed, it should be readily expandable fully along the U. S. – Mexico border.

The PdNBRS is designed on industry standards, which in this environment are the National Electronic Disease Surveillance System (NEDSS), as set forth and promulgated by the Centers for Disease Control and Prevention (CDC). Once established, this system will provide access to relevant information necessary for public health officials to formulate immediate decisions that affect the health and well being of the residents of El Paso, Texas.

The PdNBRS is a scalable system built on two program designs. The first is an existing **Asthma Surveillance System** designed as a pilot project between the Center for Border Health Research and the Texas Department of Health. This study was funded by CDC and included four sources of information: hospital discharges, emergency department (ED) reporting systems, Behavioral Risk Factor Surveillance System (BRFSS) data, and environmental health indicators. Emergency room doctors who entered free text presumptive diagnoses for each case seen in the emergency department used LogicCare, an electronic medical chart application. Using diagnostic algorithms, these free text entries were converted into the primary ICD9 code for asthma. On discharge, the diagnosis allowed for more specific ICD9 code matching within the broad diagnosis for asthma. Discharge data was then transferred into a relational database and plotted by the Arc View Geographic Information System. The surveillance system for an ill-defined condition such as asthma may be utilized as a model for tracking other respiratory diseases influenced by environmental factors that mimic a bioterrorism threat.

The second, and most significant component of the PdNBRS is the **Real-time Outbreak and Disease Surveillance (RODS)** system originally developed by the U. S. Department of Defense and now under the development and guidance of the University of Pittsburgh. This system was used during the high profile 2002 Winter Olympics in Salt Lake City, Utah. RODS has been recognized by CDC for its functionality and has been extensively funded by the CDC. RODS is NEDSS-compliant and is recognized software for building public health surveillance systems. Currently, state departments of health in Michigan, North Carolina, Ohio, Utah, and Pennsylvania, the cities of Houston and Atlantic City, and the nation of Taiwan have implemented RODS.

*What RODS Does:* RODS examines aggregate and de-identified data routinely collected by clinical and other information systems automatically and in real-

time for trends and anomalies suggestive of disease outbreaks. The basic components of the system included a real-time data acquisition process; secure networks between the data providers, the surveillance systems, and system users; and several applications including natural language processors (NLP), GIS, detection algorithms, notification systems, and a user interface. The automated system was selected as the method of data acquisition because of its advantage of not introducing changes in the workflow of healthcare staff.

One of the NLP classifiers used in RODS was evaluated using data collected in Pennsylvania and achieved 63% of sensitivity and 94% of specificity. One of the unique and advantageous aspects of the RODS system is the use of Health Level 7 (HL-7) as the messaging protocol; a standard included in the NEDSS standards, developed by the CDC. The RODS Open Source Projects makes available source code (and compiled modules) for HL-7 listeners, parsers, and MLP software that state that local health departments can use to automatically collect surveillance data from hospitals in real time. We may use a subset of these modules to create a data collection system that populates an existing state integrated surveillance database with real-time hospital data or we may use all of the modules to create an end-to-end syndromic surveillance solution. The source code has been released under the GNU GPL license, allowing anyone to freely use, copy, and modify RODS.

*Why We Need the PdNBRS:* The lack of a regional syndromic surveillance system increases the vulnerability of the Paso del Norte region to bioterrorism and weakens the region's emergency response preparedness level. Should a terrorist attack hit our region, the potential damage to health and economic status of our community is incalculable. The proposed real-time bio-surveillance response system will offer public health officials, as well as other key decision makers, critical and timely information on any changes and trends that may be indicative of bioterrorism attack. Early warning increases the potential of reducing the impact of such attack and, most importantly, of preventing their initiation. Once established, the PdNBRS has the potential to be the model for bio-surveillance on the U.S. – Mexico border. Implementation of a unified surveillance system represents a major step in increasing the security of this susceptible region.

The potential for expansion of the PdNBRS is limited onto by the vision of those involved in its development and implementation. One example, the asthma surveillance model reported on in this paper, would allow healthcare providers to project outcomes such as areas where asthma education and prevention programs may have the greatest economic impact and given certain environmental conditions, those hospitals which may see significant increases in healthcare utilization. While the PdNBRS is designed as a first-line early detection system for bioterrorism activity, its potential for increase the effectiveness and efficiency of existing healthcare systems is considerable.

4) Grant Application Budget:

**FY04 MMRS Grant Budget for Capability Focus Areas**

Radiological/nuclear -- Potassium Iodide local cache	\$10,000.00
Radiological/nuclear -- education information program	\$7,000.00
Emergency Alerting System -- emergency backup power for the El Paso Emergency Alert System (EAS)	\$30,000.00
Emergency Public Information -- message templates and public information media	\$10,000.00
NIMS -- resource management system	\$75,000.00
NIMS -- regional training and operation plan revisions	\$20,000.00
GIS system and equipment to support MMRS risk assessment, planning, training, exercising, and operations	\$60,000.00
Quarantine and isolation preparedness enhancement	\$48,000.00
<b>Total</b>	<b>\$260,000.00</b>

**FY04 MMRS Grant Budget for Sustainment**

Sustainment of MMRS Capabilities: for new and replacement equipment	\$75,000.00
Sustainment of MMRS Capabilities: for enhancement and replacement of pharmaceutical supplies	\$50,000.00
Sustainment of MMRS Capabilities: for training and maintenance of El Paso MMRS	\$25,000.00
<b>Total</b>	<b>\$150,000.00</b>

**FY04 MMRS Grant Budget for Special Project – Bio-Seq**

Procurement of Two Bio-Seq Hand-held PCRs and sample prep cartridges	\$61,200.00
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**FY04 MMRS Grant Budget for Special Project -- Real-time Bio-surveillance and Response System**

Consultant cost	\$48,400.00
Equipment: T1 lines, routers, and servers	\$39,600.00
Consumable supplies, printing & duplication, phone and fax.	\$3,600.00
Travel	\$4,000.00
<b>Total</b>	<b>\$95,600.00</b>

## **Budget Narrative**

### **Personnel**

Not Applicable

### **Fringe Benefits**

Not Applicable

### **Travel**

#### **\* Component #3 – Special Projects**

\$4,000 – Expenses of the Bio Surveillance Response System (Project #2) staff members travel to Washington D.C.

### **Equipment**

#### **\*Component #1 - Capability Focus Area**

\$30,000 - Emergency Alert System. A UPS or Generator back-up system will be purchased for the El Paso County EAS/NOAA Public Warning System. The system will provide public warning to the citizens of the El Paso MMRS jurisdiction.

\$75,000 – NIMS Resource Management System (WebEOC)

\$60,000 – GIS Equipment. Funds will be used for the procurement of ruggedized, portable and wireless tough-book computers/PDAs and associated equipment to provide first responders access to hazardous material data.

\$48,000 – Quarantine and Isolation Equipment. Funds will be used to purchase air treatment system's that provides airborne infection control and compliance with OSHA and CDC guidelines. (NQ500 system)

#### **\*Component #2 - Sustainment**

\$75,000 – New and replacement MMRS equipment.

#### **\*Component #3 - Special Projects**

\$61,200 – Bio-Seeq PCR field detection equipment – Project #1

\$39,600 – T1 lines, routers and servers – Project #2

**Supplies**

**\*Component #1 – Capability Focus Area**

\$10,000 – Radiological/nuclear – Potassium Iodide (KI) cache

\$7,000 – Radiological/nuclear – public health and public education information program (brochures, flyers, posters etc.)

\$10,000 – Emergency public information message templates for public dissemination.

\$20,000 – The NIMS regional training materials and operations plan revisions.

**\*Component #2 – Sustainment**

\$50,000 – Enhancement and Replacement of Pharmaceutical supplies.

**\*Component #3 – Special Projects**

\$3,600 – Consumable supplies, printing & duplication, phone and fax for Bio Surveillance and Response System (Project #2).

**Contractual**

**\*Component #3 – Special Projects**

\$48,400 - Consultant costs of two doctors for the Bio Surveillance and Response System (Project #2).

**Construction**

Not Applicable

**Other**

**\*Component #2 – Sustainment**

\$25,000 for the training and maintenance of the existing El Paso MMRS.