

RESOLUTION OF THE
WHITE MOUNTAIN APACHE TRIBE OF THE
FORT APACHE INDIAN RESERVATION

WHEREAS, the White Mountain Apache Tribe desires to apply for a discretionary grant through the Arizona Justice Planning Agency, and

WHEREAS, the grant is to allow the Tribal Police Department to upgrade the Police Department's Communication systems, and

WHEREAS, the total grant will be for the amount of \$36,189.00, and

WHEREAS, the Tribal Council has agreed to contribute ten per cent (10%) of the overall cost which will be \$3,608.00, and

WHEREAS, the White Mountain Apache Tribe agrees that a new communication system is needed.

BE IT RESOLVED by the Tribal Council of the White Mountain Apache Tribe that the Chairman be given authority to negotiate and sign all necessary documents to consummate this contract with the Arizona Justice Planning Agency of Arizona.

BE IT FURTHER RESOLVED that this contract go into effect when the necessary contract is awarded if and so the grant is approved.

The foregoing resolution was on November 8, 1973 duly adopted by a vote of 8 for and 0 against by the Tribal Council of the White Mountain Apache Tribe, pursuant to authority vested in it by Article V, Section 1 (b) and (i) of the Amended Constitution and By-Laws of the Tribe, ratified by the Tribe June 27, 1958 and approved by the Secretary of the Interior on May 29, 1958, pursuant to Section 16 of the Act of June 18, 1934 (48 Stat. 984).

Fred Garashley Jr
Chairman of the Tribal Council

Mary B. Enuff
Secretary of the Tribal Council





U.S. DEPARTMENT OF JUSTICE
 LAW ENFORCEMENT ASSISTANCE
 ADMINISTRATION

APPLICATION FOR GRANT
 DISCRETIONARY FUNDS
 PAGE 1

Application is hereby made for a grant under Sections 305 and/or 455 of the Omnibus Crime Control and Safe Streets Act of 1968 (P. L. 90-351) as amended in the amount and for the purposes set forth in this application.

(LEAVE BLANK FOR OFFICIAL USE ONLY)

Application Number

Date Received

Region Assigned

1. Short Title of Project: (Do not exceed one typed line)
Upgrading Radio System

2. Type of Application: (Check One) Original Revision Continuation of Grant No. _____

3. Discretionary Program Under Which Application is Made:
Reservation Action Programs - Program 2

4. Project Duration: Total Length 12 months

5. LEAA Support Sought \$ 32,581.00

6. Applicant or Implementing Agency or Governmental Unit: (Name, address, and telephone)

**White Mountain Apache Tribe
 P. O. Box 708
 Whiteriver, Arizona 85941
 (602) 338-4346**

7. Project Director (Name, title, address, and telephone)

**Roy K. Douros
 Chief Of Police
 P. O. Box 887
 Whiteriver, Arizona 85941
 (602) 338-4889**

8. Financial Officer (Name, title, address, and telephone)

**Mr. Ivan Kitcheyan, Finance Officer
 P. O. Box 708
 Whiteriver, Arizona 85941
 (602) 338-4346**

9. Official Authorized to Sign Application (Name, title, address, and telephone)

**Mr. Fred Banashley, Tribal
 Chairman
 P. O. Box 708, Whiteriver, Ariz
 (602) 338-4371 85941**

10. Project Summary - Summarize, in approximately 200 words, the most important parts of the statement of project plan presented in application item 21 (page 7), briefly covering project goals and program methods, impact, scope, and evaluation.

The two way radio system on low band frequency which we are now operating on will be replaced with a complete high frequency channel.

General Electric Corporation and Motorola Inc. has given the White Mountain Apache Tribe their bids for the radio units which will be requested for the above grant.

The White Mountain Apache Tribal Police Department desperately needs to replace the sixteen mobile radios in the police vehicles along with a base station within the Police Department and an antenna at McKays Peak which is on the Fort Apache Indian Reservation.

There is approximately 7,200 enrolled members within the boundaries of the reservation along with eight major communities and over a million acres of land. The new system will give better service and protection to the people of the reservation both in criminal and civil cases.

Read these instructions carefully before developing a discretionary grant proposal or completing an application under P. L. 90-351 as amended. Instructions appear on the reverse side of the application page to which they relate. It is also important to review carefully the LEAA Guide for Discretionary Grant Programs both as to general requirements and specifications and the features of the specific discretionary programs under which the application is seeking support.

An original and six copies of the complete applications must be submitted. These should be separately assembled and fastened by a single staple in the upper left hand corner. Whenever the space provided for an application item is insufficient for adequate response, continuation pages should be used, identifying the application page number and item number (e.g., for additional data on page 1, Item 9, the identification should read "Continuation Sheet--Page 1--Item.")

Completed applications should be mailed as follows:

- (a) Original and four copies to the applicant or implementing unit's cognizant LEAA regional office.
- (b) One copy to the applicant or implementing unit's State law enforcement planning agency under P. L. 90-351 as amended.
- (c) One copy to the cognizant A-95 clearinghouse.

Page 1 Items

1. Short Title of Project: Enter a brief, descriptive title not exceeding one typed line in length.
2. Type of Application: Check whether this is the first (original) application for this project, a revision of a prior application, or an application for continuation support of a previously funded project.
3. Discretionary Program Under Which Application is Made: Enter the exact title, as it appears in the LEAA Guide for Discretionary Grant Programs of the specific programs pursuant to which this application is being submitted. If not under a defined program, so state.
4. Project Duration: Show the anticipated project length in months.
5. LEAA Support Sought: Enter the total amount of LEAA funding requested to conduct the project. This may not exceed the maximum grant size indicated for the particular program under which the application is made.
6. Applicant or Implementing Agency: Enter the official name, address, and telephone number of the state agency, local government unit, institution, department or other primary unit which will administer the project, whether as direct grantee or subgrantee of a State planning agency. For discretionary grant programs contemplating awards to local units or individual agencies through State planning agencies, SPA execution of the required "SPA Certification and Approval" will establish co-applicant status sufficient to award the grant to the SPA for subgranting to the implementing unit or agency.
7. Project Director: This is the individual who will be in direct charge of the project. He should be a person who combines knowledge and experience in the project area with ability in administration and supervision of personnel and will be expected to devote a major portion of his time to the project.
8. Financial Officer: This is the person who will be responsible for fiscal matters relating to the project and in ultimate charge of accounting, management of funds, verification of expenditures, and grant financial reports (normally someone other than project director).
9. Official Authorized to Sign Application: This is the individual authorized to enter into binding commitments on behalf of the applicant or implementing agency. He will normally be the chief officer of the agency or governmental unit involved.
10. Project Summary: Enter pursuant to instructions shown on the face sheet. If additional space is needed, add a continuation sheet per General Instructions above.



11. DETAILED PROJECT BUDGET - Include the estimated cost or value of all resources necessary to undertake the project.

A. Personnel (Employees)	LEAA SUPPORT	GRANTEE CONTRIBUTION	CATEGORY TOTAL
(1) Salaries (list each position with salary rate and percentage of time devoted)			
	\$	\$	
(2) FICA, Retirement, etc.			
	\$	\$	\$
B. Professional Services (itemize)			
(1) Individual Consultants (list by individual or type with fee basis and amount of time devoted)			
	\$	\$	
(2) Contracting or Service Organizations and Associations (list each by type with fee basis and amount of time devoted)			
	\$	\$	
(3) Construction Contracts	\$	\$	
			\$
C. Travel (Transportation and Subsistence) (itemize)			
	\$	\$	
			\$
D. Equipment (itemize)			
See Attachment 2A - A	\$31,581	\$ 3,508	
			\$35,089
E. Supplies and Other Current Expenses (communications, reproduction, indirect costs) (itemize)			
Installation Of Equipment	\$	\$	
See Attachment 2A - B	.1,000	100	
			\$ 1,100
TOTAL PROJECT COST	\$32,581	\$ 3,608	\$36,189

Attachment 2A - Detailed Project Budget

Equipment:

16 Mobile Radios with Antenna's, Speakers, Cables and Microphones	\$ 17,260.00
4 Mobile Radios with Antenna's, Speakers, Cables and Microphones	5,124.00
20 Electronic P.A. Systems, Sirens Included	3,570.00
20 Roof Mount Speakers	935.00
1 Repeater	1,900.00
2 Gain Antenna's	300.00
2 50 Ft. Transmission Lines and Connectors	110.00
1 Control Station	990.00
5 Portable Radios, D Cell Battery Pack	<u>4,900.00</u>
	Total 35,089.00
	Total LEAA Request 31,581.00

Installation Of Equipment:

Installation Of Mobile Units, Base Stations Repeaters, Associated Antenna's and Transmission Lines	\$ <u>1,100.00</u>
	Total 1,100.00
	Total LEAA Request 1,000.00

Discretionary Grant Application Instructions Page 2 Items

The budget form must be completed in detail with amounts rounded to the nearest whole dollar. It should be accompanied by a separate narrative (page 3 of application) providing justifications and detailing the basis for determining the cost of the items included in each budget category.

The budget should cover the entire project period (application item 4).

The budget has separate columns to show which costs or budget elements will be supported from grant funds and which from grantee matching contributions.

The cost of each item listed under the various budget categories should be shown under the "LEAA Support" or "Grantee Contribution" columns (or divided between them) depending on the funding source planned for the item. The cost of all items listed in each major budget category should be inserted in the "Category Total" space.

Whenever the space for any budget category is inadequate to permit listing of all items, the notation "See Continuation Sheet" should be entered, only the "Category Total", should be inserted, and all items in the category should be listed on a continuation page.

A. Personnel. (i) For salaries: list each position by title (and name of employee, if available), show the annual salary rate for the employee, and the percentage of time to be devoted to the project by the employee. (ii) For employee benefits: indicate each type of benefit included and the total cost allowable to employees assigned to the project. Budgets should take into account time needed to acquire new staff and changing demands for personnel during the course of the project.

B. Professional Services. (i) For individuals to be reimbursed for personal services on a fee basis: list each type of consultant or service (with numbers in each category and name of major consultants where available), the proposed fee rates (by day, week, or hour), and the amount of time to be devoted to such services. (ii) The application must contain the selection basis for any contract or prospective contract mentioned. (Include construction, services and equipment.) If let, the contract must be included as part of the application. (iii) For organizations, including professional associations and educational institutions, performing professional services: indicate types of services being performed, and estimated contract price. (Further contract cost data should be supplied in the budget narrative-application page 3). (iv) For Construction Contracts: indicate type of services being performed, and estimated contract price. (Further contract cost data should be supplied in the budget narrative-application page 3 also see Financial Guide p. 35).

C. Travel. Itemized travel expenses of project personnel by purpose (e.g., faculty to training site, field interviews, advisory group meetings, etc.) and show basis for computation (e.g., "5 trips for 'X' purpose at \$20 average cost-\$50 transportation and 2 days per diem at \$15" or "6 people to 3-day meeting at \$70 transportation and \$45 subsistence"). In training projects, where travel and subsistence of trainees is included, this should be separately listed indicating the number of trainees and unit costs involved.

D. Equipment. Each type of item to be purchased should be separately listed with unit costs.

E. Supplies and other Operating Expenses. List items within this category by major type (e.g., office supplies, training materials, research forms, telephone and postage) and show basis for computation ("X" dollars per month for office supplies, "Y" dollars per person for training materials, telephone-long distance at "Z" dollars per month, etc.) Large items should be separately listed and identified (e.g., unusual supply items, special printing or mailings required for project). (i) On miscellaneous expenses: a specific itemization of each type of expense with basis of computation should be provided. (ii) Where indirect costs are claimed: a computed rate allocated on the basis of wages or salaries must be shown plus evidence that the rate has been audited and approved by a government audit agency. For those projects being implemented by local governments, consistent with the Financial Guide (page 31), indirect costs not in excess of 5% of total project costs may be claimed when the implementing agency does not have an audited rate. (iii) For subcontract services: the nature of the services, other than professional services indicated above, to be retained and estimated contract amount should be shown.

F. Total Project Costs. The "Total Project Cost" should be the sum of the "Category Totals" or of all individually listed budget items.



12. BUDGET NARRATIVE

Begin below and add as many continuation pages (12a, 12b, etc.) as may be necessary to relate the items budgeted to project activities, and complete the required justification and explanation of the project budget.

The radios and equipment will be used for the Upgrading of the Police Departments communications system on the Fort Apache Reservation. The equipment requested will be compatible with the overall State Comprehensive Radio Communications Plan. The radios are to be installed in the police units that are owned and operated by the White Mountain Apache Tribal Police Department. The radios and equipment will be retained by the Tribal Police Department at the projects end.

LEAA Support Requested \$31,581.00

The installation of the equipment will be installed by Mr. Donald Wise who is presently employed by the White Mountain Apache Tribe. Equipment needed on installation of the parts will be furnished by Mr. Donald Wise. The installation includes the mobile units, Base stations, Repeaters, Associated Parts and Antenna's along with the Transmission lines for the overall project.

LEAA Support Requested \$ 1,000.00

The White Mountain Apache Tribe hereby accepts to assume 10% of the overall financial responsibilities for the requested grant and agrees to maintain all equipment under the above grant if it is awarded to the White Mountain Apache Tribe:

Total LEAA Support Requested \$32,581.00



U. S. DEPARTMENT OF JUSTICE
LAW ENFORCEMENT ASSISTANCE
ADMINISTRATION

APPLICATION FOR GRANT
DISCRETIONARY FUNDS
PAGE 4

Budget Summary and Projection

Budget Categories	Prior Project Phases	Present Phase	Successive Phases	Successive Phases	Successive Phases	Total
Personnel (Salaries and Benefits)						
Professional Services						
A. Individual consultants						
B. General Contracts						
C. Construction Contracts						
Travel (Transportation and Subsistence)						
Equipment		31,581				31,581
Supplies and Other Operating Expenses		1,000				1,000
TOTAL		32,581				32,581
Duration of Project Phases, (in months)		12				12

Federal Support. Will other Federal support be available for any part of this project? Yes _____ No X
If yes, identify and explain:

15. Federal Submissions. Have other Federal agencies been contacted for assistance on this or similar projects? Yes _____ No X If yes, identify and indicate status:

16. STANDARD GRANT CONDITIONS - Applicant understands and agrees that any grant received, directly or through its State law enforcement planning agency designated under P. L. 90-351, as amended as a result of this application shall be subject to and incorporate the following grant conditions.
- Reports.** The grantee shall submit, at such times and in such form as may be prescribed, such reports as the Law Enforcement Assistance Administration may reasonably require, including quarterly financial reports and progress reports and final financial and narrative reports.
 - Copyrights.** Where activities supported by this grant produce original books, manuals, films, or other copyrightable material, the grantee may copyright such, but LEAA reserves a royalty-free, non-exclusive and irrevocable license to reproduce, publish, and use such materials, and to authorize others to do so.
 - Patents.** If any discovery or invention arises or is developed in the course of or as a result of work performed under this grant, the grantee shall refer the discovery or invention to LEAA, which will determine whether or not patent protection will be sought, how any rights therein, including patent rights, will be disposed of and administered, and the necessity of other action required to protect the public interest in work supported with Federal funds, all in accordance with the Presidential Memorandum of October 10, 1953, on Government Patent Policy.
 - Discrimination Prohibited.** No person shall, on the grounds of race, creed, color or national origin, be excluded from participation in, be refused the benefits of, or be otherwise subjected to discrimination under grants awarded pursuant to P. L. 90-351 as amended, or under any project, program, or activity supported by this grant. The grantee must comply with the provisions and requirements of Title VI of the Civil Rights Act of 1964 and regulations issued by the Department of Justice and the Law Enforcement Assistance Administration thereunder as a condition of award of Federal funds and continued grant support required by Section 512(b) of P. L. 90-351 as amended. This grant condition shall not be interpreted to require the imposition in grant-supported projects of any percentage ratio, quota system, or other program to achieve racial balance or eliminate racial imbalance in a law enforcement agency.



STANDARD GRANT CONDITIONS - (Cont'd)

- (5.) Termination of Aid. This grant may be terminated or fund payments discontinued by LEAA where it finds a substantial failure to comply with the provisions of P. L. 90-351 as amended or regulations promulgated thereunder, including these grant conditions or application obligations, but only after notice and hearing and pursuant to all procedures set forth in Section 510 and 511 of P. L. 90-351 as amended.
- (6.) Inspection and Audit. The Administration and the Comptroller General of the United States, or any of their duly authorized representatives, shall have access for purposes of audit and examinations to any books, documents, papers, and records of the grantee, and to relevant books and records of subgrantees and contractors, as provided in Section 521 of P. L. 90-351 as amended. A notice to this effect shall appear in all subgrants and other arrangements for implementation of this project.
- (7.) Maintenance of Records. All required records shall be maintained until an audit is completed and all questions arising therefrom are resolved, or three years after completion of a project, whichever is sooner.
- (8.) Utilization and Payment of Funds. Funds awarded are to be expended only for purposes and activities covered by grantee's approved project plan and budget. Project funds may be made available through a letter of credit system pursuant to rules and procedures as to establishment, withdrawals, etc., issued by the Administration and with which grantees must comply. Where grant awards are not sufficiently large to require this system, payments will be made on the basis of periodic requests and estimates of fund needs submitted by the grantee. Payments will be adjusted to correct previous overpayments or underpayments and disallowances resulting from audit.
- (9.) Allowable Costs. The allowability of costs incurred under any grant shall be determined in accordance with the general principles of allowability and standards for selected cost items set forth in Bureau of Budget Circular No. A-87, "Regulations for Determining Costs Applicable to Grants and Contracts with State and Local Governments", as further defined and outlined in conditions 10 and 11 below, and in the LEAA Financial Guide for Law Enforcement Training and Action Grants.
- (10.) Expenses Not Allowable. Grant funds may not be expended for (a) items not part of the approved budget or separately approved by LEAA; (b) purchase or construction of land and buildings or improvements thereon, or payment of real estate mortgages or taxes, unless specifically provided for in the grant agreement; (c) dues to organizations or federations; (d) entertainment including luncheons, banquets, gratuities or decorations; (e) purchase of automobiles or other automotive vehicles unless provided for in the grant agreement; or (f) indirect (overhead) costs, where the grantee does not have an audited and cost expense allocation system and rate acceptable to LEAA; (g) any bonus or commission to any individual for the purpose of obtaining approval of an application for LEAA assistance. Expenditure of funds in excess of the submitted total cost estimate for any major budget category will be permitted only with LEAA approval where this involves an increase of more than 10 percent in the total category cost estimate. Such increases will be deemed, in effect, to constitute an amendment of the grant application and award requiring grantor concurrence.
- (11.) Written Approval of Changes. Grantees must obtain prior written approval from LEAA for major project changes. These include (a) changes of substance in project activities, designs, or research plans set forth in the approved application; (b) changes in the project director or key professional personnel identified in the approved application; and (c) changes in the approved project budget as specified in the preceding condition.
- (12.) Project Income. All interest or other income earned by the grantee with respect to grant funds or as a result of conduct of the grant project (sale of publications, registration fees, service charges on fees, etc.) must be accounted for. Interest on grant funds must be returned to LEAA by check payable to the United States Treasury, and other income should be applied to project purposes or in reduction of project costs; provided, however, that if the grantee is a unit of government, the grantee shall not be accountable for interest earned on grant funds pending their disbursement or actual application for project purposes.
- (13.) Title to Property. Title to property acquired in whole or in part with grant funds in accordance with approved budgets shall vest in the grantee, subject to divestment at the option of LEAA (to the extent of LEAA contribution toward the purchase thereof) exercisable only upon notice within 120 days after the end of the grant period or termination of the grant. Grantees shall exercise due care in the use, maintenance, protection and preservation of such property during the period of project use.
- (14.) Publications. The grantee may publish, at its own expense, the results of grant activity without prior review by LEAA provided that any publication (written, visual, or sound) contains an acknowledgement of LEAA grant support. At least 10 copies of any such publication must be furnished to LEAA but only 5 copies of training materials (where used in grant projects) need be supplied, except as otherwise requested or approved by LEAA. Publication of documents or reports with grant funds beyond quantities required to meet standard report requirements must be provided for in approved project plans or budgets or otherwise approved by LEAA and, for large quantity publication, manuscripts must be submitted in advance to LEAA.
- (15.) Third Party Participation. No contract or agreement may be entered into by the grantee for execution of project activities or provision of services to a grant project (other than purchase of supplies or standard commercial or maintenance services) which is not incorporated in the approved proposal or approved in advance by LEAA. Any such arrangements shall provide that the grantee will retain ultimate control and responsibility for the grant project and that the contractor or subgrantee shall be bound by these grant conditions and any other requirements applicable to the grantee in the conduct of the project.
- (16.) Obligation of Grant Funds. Grant funds may not, without advance written approval by LEAA, be obligated prior to the effective date or subsequent to the termination date of the grant period. Obligations outstanding as of the termination date shall be liquidated within 90 days. Such obligations must be related to goods or services provided and utilized within the grant period.
- (17.) Fiscal Regulations. The fiscal administration of grants shall be subject to such further rules, regulations, and policies, concerning accounting and records, payment of funds, cost allowability, submission of financial reports, etc., as may be prescribed by LEAA, including those set forth in the LEAA Financial Guide, OMB Circulars A-21 and A-87, as well as §15 of FRM (41 CFR) §101-11.6, where applicable.



STANDARD GRANT CONDITIONS - (Cont'd)

- (18.) Release of Information. Pursuant to Section 521 of the Act, as amended, all records, papers and other documents kept by recipients of LEAA funds, including State Planning Agencies and their subgrantees and contractors, relating to the receipt and disposition of such funds, are required to be made available to the Administration. These records and other documents submitted to LEAA and State Planning Agencies pursuant to other provisions of the Act, including comprehensive state plans and applications for funds, are required to be made available by LEAA under the terms and conditions of the Federal Freedom of Information Act 15 U.S.C. 552). State Planning Agencies must follow applicable LEAA Guidelines on release of information and State Planning Agency procedures designed to facilitate local government participation.
- (19.) Negative Declaration. Applicant hereby declares that no significant environmental impact, as defined by the National Environmental Policy Act of 1969 and LEAA Guidelines, may result from implementation of this program. Further, the applicant hereby declares that implementation of this program will have no adverse effect on properties listed in the National Register of Historic Places. Where this Declaration cannot be made, the applicant must attach an Environmental Impact Analysis and proceed in accordance with OMB Circular A-95 clearance procedures and appropriate LEAA guidelines.
- (20.) Assurance of Compliance with Civil Rights Laws. The applicant hereby agrees that it will comply with Title VI of the Civil Rights Act of 1964 (P. L. 88-352) and all requirements imposed by or pursuant to Regulations of the Department of Justice (28 CFR Part 42) and LEAA issued pursuant to that title, to the end that no person shall on the grounds of race, color or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the applicant receives Federal financial assistance from the Department; and gives further assurance that it will promptly take any measures necessary to effectuate this commitment as more fully set forth in the standard grant conditions set forth above. This assurance shall obligate the applicant for the period during which Federal financial assistance is extended to it by the Department and is given in consideration of and for the purpose of obtaining the grant for which application is hereby made and the United States shall have the right to seek judicial enforcement of this assurance.
- (21.) Part E Assurances. Where Part E funding is requested, applicant agrees that all Part E assurances, areas of emphasis, and special requirements as set forth in Discretionary Grant Guide pp. 5, & 6 will be complied with.

17. Date:	18. Total Pages in Application 12	19. State Planning Agency Certification and Approval Effectuated. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable
20. Signature of Authorized Official (Item 9 of Application)		Chairman White Mountain Apache Tribal Council Whiteriver, Arizona 85941



21. PROJECT PLAN AND SUPPORTING DATA

Please state clearly and in detail, within ten pages if possible, the aims of the project, precisely what will be done, who will be involved and what is expected to result. Use the following major headings:

- P. I. Goals.
- P. II. Impact and Results
- P. III. Methods and Timetable
- P. IV. Evaluation
- P. V. Resources

Number subsequent pages consecutively, i.e., Application Page 8, Application Page 9, etc. See page 7 for further guidance.

Introduction - The White Mountain Apache Tribe now operates a two way radio system for coordination of Law Enforcement and police business on a frequency of 39.18MHz. This system has proven the very real requirements for and benefits of two way radio in improving law enforcement, however it is still defficient.

Problems - The problem is the radio frequency band used which is 39.180 mkz or low band. Serious problems are encountered while operating on this band which severely limits the delivery of efficient law enforcement services to the members of the White Mountain Apache Reservation and Communities. The problems we are faced with are:

- 1) Interference with other law enforcement agencies in the area of the reservation and on the outside such as Navajo County, Gila County, Apache County and others. There are now an excessive number of users of 39.18Mkz which results in over loading and one agency interferring with another. Since time is often of the essence this interference can be very costly to life and property on the Fort Apache Reservation.
- 2) Skip - Low band channels suffer from the phenomenon of skip which will cause signals from the areas hundreds or even thousands of miles away to be heard on the reservation and completely blocking out the reception of signals from tribal radios.
- 3) Poor or no car to car communications. This is because of the large land area on the reservation and its very rugged terrain (Canyons up to 1500 feet deep) is impossible for cars to talk directly to another car in many areas. This restriction severely limits an efficient operation and does not allow good coordination of police activities within given areas.
- 4) The Fort Apache Indian Reservation consists of 7,200 enrolled members of the White Mountain Apache Tribe and approximately 3,000 non-indian residents who reside within the exterior boundaries. The non-indians are composed of Negro, Mexicans and whites who work at various jobs within the reservation boundaries.

There is sawmills located at McNary, Cibecue and Whiteriver where the majority of non-Indians are presently employed. The Fort Apache Reservation is located in the mountainous areas of north eastern Arizona and covers approximately 2,000 square miles. During the summer months the population increases by 3,000 to 5,000 non-Indians due to the summer sports which is fishing and hunting. Sometimes the tourist are within the reservation until late October and this depends entirely upon the weather conditions. The need for a new radio system is essential to the people of the reservation and the outsiders who come upon the reservation yearly.

Proposed system - A radio system on VHF radio frequencies has been approved by Mr. Don Wise, Radio technician, Whiteriver, Arizona. This system is a close space mobile repeater radio system using 154.055MHz and 153.740 MHz. The fire control system under the Bureau Of Indian Affairs has a UHF system and has proven very useable with the Fort Apache Reservation.

P 117 Impact and Results - The system will be a repeater or mobile relay system operating on the frequencies of 155.055 MHz and 153.74 MHz. The system will not interfere with others or will others interfere with it. There will be no skip interference. The total area coverage required will be provided with full car to car capability throughout the Fort Apache Reservation. System design has been submitted to the State Frequency Coordinator and Department of Public Safety and Frequency recommendation and approval received.

Justification and Objectives - An engineering survey of the specific requirements for total area coverage on the Fort Apache Reservation has been made and the VHF system requested above has been approved. The UHF radio system used in the southern desert areas of the state works very satisfactorily but several technical considerations show that this system would not be satisfactory on the Fort Apache Reservation. VHF will give longer range for each unit and foilage will not interfere with the VHF system as it does with the present one in operation. The VHF system will be more suitable in deep canyons, heavily forested areas.

P 111 Methods and Timetable - The radio technician is employed with the Bureau Of Indian Affairs and under contract with the White Mountain Apache Tribe. The technician will keep records of the radio equipment, installation of the radios along with a record of the parts that may be needed to keep the units in condition. Checks by the technician will be made to assure that the radios are kept in good working condition and any malfunctions will be reported to the White Mountain Apache Tribe and the Project Director. The tribe will bare the cost of the maintenance and repairs on the radio system.

P 1V Evaluation - Records will be kept to assure the overall performance of the radios. Statistical data will be analyzed showing the beginning and end of the program.

P V Resources - The Project Director is presently holding the position as Chief Of Police for the White Mountain Apache Tribe. He has been employed by the Tribe for a total of eight months but held police positions with other departments in law enforcement for a total of 13 years. The Project Director has completed numerous schools relating to Law Enforcement on and off the reservation.

Mr. Donald Wise, Radio Technician, is an engineer with many years of experience in radio technology. He is currently employed by the Bureau Of Indian Affairs and White Mountain Apache Tribe. Mr. Wise is also employed by the Apache County Sheriff's Office and County roads department for the radio communications.

The White Mountain Apache Tribe will pass a resolution towards this project with the understanding that a 10% funding is necessary to implement the program. The Tribal Chairman will fulfill his requirements towards the project.