COPY

DFRC REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS

DFRC CONTROL NUMBER: 99-02

INSTRUCTIONS: Section I to be completed by Proponent. Sections II and III to be completed by the Safety, Health & Environmental Office. Continue in Block 19 or attach additional sheets as necessary. Reference appropriate item number(s)

SECTION I - PROPONENT INFORMATION

1. TO: Environmental Officer Safety, Health & Environmental Office	2. FROM: (Proponent organization and functional address symbol) FI, RF&ISS D-4940C	2a. TELEPHONE NO. 7919

3. TITLE OF PROPOSED ACTION/START DATE

INSTALLATION OF TELECOMMUNICATIONS CONDUIT LOWER BORESITE BUILDING 4887

4. PURPOSE AND NEED FOR ACTION (Describe why you need to take this action.)

Telecommunications to building 4887 are in need of replacement. Without these necessary upgrades the current communications system data transfer rate will remain inadequate. Project needed to assure adequate communication capabilities for current and future missions and programs.

5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA) (Provide sufficient details for evaluation of the total action.)

Trench and place two 4 inch P&C conduits from manhole T-611 to T-61 and continuing to building 4887. Trench will be a minimum depth of 24 inches and a maximum depth of 48 inches. Install one pull box on south side of building 4887. Core through pull box and wall to provide access to interior. Seal around all exposed openings to insure seals are weather tight. Paint all metal exposed during project. Backfill trench and place detectable warning tape 12" below fill grade. Alternatives rejected due to problems associated with the proposed systems. Conduit was considered the most ideal solution to provide fiber optic cables to 4887. For additional details, reference the attached SOW.

6. PROPONENT	6a. SIGNATURE	6b. DATE
Jim Neal/Dan Crowley	Jimmy R Neal 5/11/99	4/17/99

SECTION II - PRELIMINARY ENVIRONMENTAL ANALYSIS

(Check appropriate box and describe potentail environmental effects and mitigations.) (+ = positive effect; 0 = no effect; - = adverse effect; U = Unknown effect)

	+	0	-	U
7. AIR INSTALLATION COMPATIBLE USE ZONE (Noise, accident potential, land use, etc.)		X		
8. AIR QUALITY (Emmissions, attainment status, state implementation plan, etc.)			X	
9. WATER RESOURCES (Quality, quanity, source, etc.)		X		
10. SAFETY & OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safety quanity-distance, etc.)			X	
11. HAZARDOUS MATERIALS/WASTE (Use/storage/generation/solid waste, etc.)			X	
12. BIOLOGICAL RESOURCES (Wetlands/Floodplains, flora, fauna, etc.)			X	
13. CULTURAL RESOURCES (Native American burial sites, archeological, historical etc.)		X		
14. GEOLOGY & SOILS (Topography, minerals, geothermal, Superfund Program, seismicity, etc.)		X		
15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)	X			
16. OTHER (Potential impacts not addressed above.) NOISE			X	

SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATAION

17.		
	X	PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # 4.2(3) ; OR
		PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.

18. SHE OFFICE CERTIFICATION	18a. SIGNATURE	18b. DATE
Dan Mullen	Daniel F. Mullen	5-5-99

DFRC 39 (Oct 96)

19. REMARKS: (Continuation sheet. Use additional sheets as necessary)

Y 903

AIR QUALITY: A short-term degradation of air quality may be expected during the trenching phase of the proposed project. A short-term increase in Ozone precursor pollutants (VOC and NOx) may occur locally due to engine emissions from construction equipment and motor vehicles. These emissions will be minor and are well below the diminimus thresholds for non-attainment areas; therefore, a formal conformity determination is not required. Air quality impacts from this project would not be significant.

Architectural Coatings must comply with VOC limits established in Kern County Air Pollution District Rule 410.1.

SAFETY AND OCCUPATIONAL HEALTH: The manholes noted in the SOW have been evaluated by a Code SH Industrial Hygienist and have been determined to be confined spaces. Although chlorinated volatile organic compounds have been detected in the groundwater beneath the project area, a Code SH Certified Industrial Hygienist does not believe any occupational health standards will be exceeded.

Notify Dave Martinez of Code SH @ ext. 2950 prior to excavation or entering manholes to verify site conditions.

HAZARDOUS MATERIALS/WASTE: All hazardous materials/waste must be handled according to applicable regulations.

BIOLOGICAL RESOURCES: The desert tortoise is listed as a threatened species under the Endangered Species Act. Vegetated areas adjacent to this project are potential desert tortoise habitat. Trenching activities could result in injury to desert tortoises and destruction of potential habitat.

All project site workers must attend a desert tortoise education program provided by AFFTC/EMXC.

An AFFTC/EMXC authorized biological monitor must conduct a survey of the work area within 48 hours of starting the project.

To arrange for training, site survey, or if desert tortoise(s) are sited within or around the project area, contact Mike Beck, of Code SH @ ext. 2881.

SOCIOECONOMICS: A minor positive impact will result to the local construction industry.

NOISE: Short-term, local increased noise levels produced by trenching activities would occur with varying intensity and duration during this project. Noise from construction would not cause any significant impacts.

Hearing conservation requirements and procedures contained in 29 CFR 1910.95 must be followed by all personnel working on this project.

MITIGATION MEASURES: No significant impacts are identified; therefore, no mitigation measures are proposed.

CONCLUSION: Based on the above environmental impact analysis it is concluded that this is a categorically excluded action [NASA 4.2(3)] that does not substantially impact the human environment; therefore, neither an EA nor an EIS is required.