



DFRC REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS		DFRC CONTROL NUMBER 99-17	
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) Information Systems, RF&ISS 4851		2a. TELEPHONE NO. 7919
3. TITLE OF PROPOSED ACTION/START DATE Installation of Telecommunications Conduit to Building 4844			1/6/2000
4. PURPOSE AND NEED FOR ACTION (Describe why you need to take this action.) Telecommunications to building 4844 are in need of upgrading. The existing conduit is filled to capacity. Without these necessary upgrades the current communications system data transfer rate will remain inadequate. The project is 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 221 feet of 4 inch P&C conduit from manhole T-133 to Building 4844. Minimum depth for all trenching will be 24 inches with a maximum depth of 48 inches. Place 1166 feet of plenum rated single mode fiber optic cable from manhole T-14 into the terminal room in Building 4844. All digging between Building 4844, point "C", manhole T-133, and point "D" will be performed by hand due to proximity of numerous sub-structures (see attached map). All trenching in asphalt surfaces will be sawcut 18 inches wide. All trenches will be backfilled and compacted to original fill grade. Continued in section 19.			
6. PROPONENT Jim Neal	6a. SIGNATURE 		6b. DATE 12/22/99
SECTION II - PRELIMINARY ENVIRONMENTAL ANALYSIS (Check appropriate box and describe potential environmental effects and mitigations.) (+ = positive effect; 0 = no effect; - = adverse effect; U = Unknown effect)			
7. AIR INSTALLATION COMPATIBLE USE ZONE (Noise, accident potential, land use, etc.)	+	0	- U
8. AIR QUALITY (Emissions, attainment status, state implementation plan, etc.)			X
9. WATER RESOURCES (Quality, quantity, source, etc.)		X	
10. SAFETY & OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safety quantity-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.) Construction Noise			X
SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATION			
17. <input checked="" type="checkbox"/>	PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # 4.2(3) ; OR		
<input type="checkbox"/>	PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.		
18. SHE OFFICE CERTIFICATION Dan Mullen	18a. SIGNATURE 		18b. DATE 1/4/2000

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

continued from section 5.

Damaged or removed asphalt will be replaced. No alternatives to this action were considered feasible. For additional details, reference the attached SOW.

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 minimum thresholds for non-attainment areas; therefore, a formal conformity determination is not required. Air quality impacts from this project would not be significant.

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

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.

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