

### **FACILITIES, EQUIPMENT & OTHER RESOURCES**

**FACILITIES:** Identify the facilities to be used at each performance site listed and, as appropriate, indicate their capacities, pertinent capabilities, relative proximity, and extent of availability to the project. Use "Other" to describe the facilities at any other performance sites listed and at sites for field studies. USE additional pages as necessary.

**Laboratory:** The PI has dedicated laboratory space of 1200 sq. ft. equipped with: three hoods, two high-vacuum lines, two Schlenk line manifolds, and an Aglient 8453 UV-visible spectrophotometer equipped with a Unisoku cryostat for low-temperature experiments. In addition, the PI has a Vacuum Atmospheres Omni-Lab glovebox

- Resonance Raman experiments will be performed in the laboratory of Prof. James Kincaid at Marquette University (see attached letter of collaboration).
- Electron Paramagnetic