

**APPENDIX A**

**SCOPE OF WORK AND  
QUALIFICATIONS OF PROJECT  
PERSONNEL**

**KENT COUNTY, DELAWARE  
S.R. 15 (CANTERBURY ROAD) IMPROVEMENTS, AIRPORT ROAD TO S.R. 14  
CULTURAL RESOURCE SERVICES  
PHASE I ARCHAEOLOGICAL SURVEY  
AND PHASE I HISTORIC RESOURCES SURVEY  
AGREEMENT No. 1117  
WORK ORDER No. 007**

**REVISED TECHNICAL PROPOSAL**

**1.0 Project Background**

The Delaware Department of Transportation (DelDOT) has contracted with Skelly and Loy, Inc., to provide cultural resource services for the proposed improvements to S.R. 15, from Airport Road to S.R. 14. The Route 40 improvements project is located near Milford in Kent County, Delaware. The present project will include improvements to S.R. 15 from just north of the Airport Road intersection to the S.R. 14 interchange (Figure 1).

The improvements will include new alignment to bring S.R. 15 to S.R. 14 directly opposite C.R. 447. The initial design information suggests that the maximum width of construction impacts will be (75.0 ft). A stormwater retention basin is proposed for the triangle between the existing and new S.R. 15- S.R. 14 interesections.

The area of potential effect (APE) for archaeology includes all areas of potential construction impact. The APE for historic resources was defined in consultation with DelDOT to include areas of direct construction impacts as well as visual and similar secondary effects.

**2.0 Scope of Work**

**2.1 Archaeological Phase I Survey**

The archaeological survey will begin with background research. This will include a review of the state site files, previous research in the vicinity, historic map resources, and the project-specific work previously completed by MTA. The artifacts from the initial work by MTA will be incorporated into the Skelly and Loy study.

The archaeological APE is comprised of previously disturbed road and shoulder, and plowed agricultural fields. Because the setting is not conducive for the deposition of alluvial, aeolian, of colluvial deposits from the Holocene era, there is not a not for deep testing during the survey. Instead, Skelly and Loy will arrange for the farmer to plow and disk the field portions of the

APE with potential for historic deposits (cross-hatched on attached map). The costs of the actual plowing will be paid by Skelly and Loy, but crop damage payments will be negotiated between the farmer and DeIDOT. After a heavy rain, the plowed portions of the APE will surface collected in 5.0 x 5.0 m squares. It is anticipated that not more than 1,000 m<sup>2</sup> will be plowed and surface collected.

Phase II archaeological evaluation is not included with this delivery order. If the Phase I field results suggest the need for Phase II evaluation, the results will be presented as a letter report in a field view, and a separate proposal will be submitted. Only preliminary analysis of artifacts is included in this Phase I proposal.

## **2.2 Phase Ib Identification Level Architectural Survey**

Skelly and Loy will conduct an identification level survey of all resources built before 1960 that fall within the project Area of Potential Effect (APE) for architectural resources. For purposes of this proposal, it is assumed that no more than 11 historic resources will fall within the APE. The project will begin with a review at the Delaware State Historic Preservation Office (SHPO) and the Delaware Department of Transportation (DeIDOT) of all previously conducted survey work within the project area. Any previously prepared Cultural Resource Survey (CRS) forms will be gathered. Relevant historic contexts will also be gathered as background material.

Once the review of previously surveyed work is completed, Skelly and Loy will conduct the identification level survey. Each resource built prior to 1960 will be photographed using 35 mm black and white photography and marked on a project map. CRS forms will be completed for each resource not surveyed previously. CRS Update forms will be prepared as necessary for previously surveyed reports.

At the completion of the identification level survey, a letter report will be prepared to present the results. The report will include a summary of methodology; a summary table of the historic resources, listing CRS number, property name and/or address, property type, resource integrity, a provisional evaluation of National Register of Historic Places (NRHP) eligibility and the applicable NRHP-criteria, and comments on the resource; and a color-coded map graphically illustrating provisional NRHP status as either previously listed or eligible, potentially eligible, not eligible, or more research necessary. The purpose of the letter report will be eliminate resources from further investigation, either because of a loss of integrity or a lack of NRHP significance. The report results will be discussed with DeIDOT and the SHPO at a field view, and will be amended if

necessary to account for comments received. Evaluation-level survey, if necessary, is not included in this proposal.

**Barbara J. Gundy, Ph.D.**  
**Cultural Resource Specialist**  
**Archaeologist**

**Skelly and Loy, Inc.**  
**Engineers and Consultants**  
**2500 Eldo Road, Suite 2**  
**Monroeville, PA 15146**

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### **Education**

Ph.D. 1993, M.A. 1985, Anthropology University of Pittsburgh, Pittsburgh, Pennsylvania.  
B.A. 1981, Anthropology Kutztown State College, Kutztown, Pennsylvania.

### **Areas of Specialization**

Cultural Resource Management; Field Methodology; Perishable Artifact Analysis; Historic Period Ceramic Manufacturing; North American Prehistory

### **Professional Experience**

2000-Present: Cultural Resource Specialist, Archaeologist, Skelly and Loy, Inc., Monroeville, Pennsylvania. Principal Investigator and Project Manager, Skelly and Loy, Inc. Responsible for project management of numerous cultural resource projects in Pennsylvania and West Virginia for government and private sponsors.

1997-2000: Director, Principal Investigator, Archaeological and Historical Services, Eastern Washington University, Cheney. As Director and Principal Investigator at AHS Dr. Gundy has solicited, managed, and completed over 340 projects in Idaho, Montana, Oregon, and Washington states.

1992-1997: Principal Investigator, Project Manager, and Field Supervisor, Center for Cultural Resource Research, University of Pittsburgh.

1995-1996: Principal Investigator, Consultant, Red Earth Environmental, Inc.

1985-1994: Research Specialist III and IV, Center for Cultural Resource Research, University of Pittsburgh. Principal Investigator, Senior Project Manager, Field Supervisor.

1993-1994: Archaeologist, IPA-U.S. Army Corps of Engineers, Pittsburgh District.

1988: Teaching Assistant, Department of Anthropology, University of Pittsburgh. Archaeological Field School site (36WH38) Moore/Olah Site. Washington County, Pennsylvania.

1983-1985: Staff Member, Carnegie Museum of Natural History, Section of Anthropology. Ethnographic and Archaeological Collections Management, Photography, and Independent research, Pittsburgh, Pennsylvania.

### **Professional Summary**

Dr. Gundy has over 15 years of archaeological field and administrative experience of which the majority has been in Cultural Resource Management. Dr. Gundy has administered or served as the Principal Investigator on numerous projects for federal, state, and local governmental agencies as well as private firms including the DE, OH, PA, WA, and WV Departments of Transportation; Federal Highway Administration; Bonneville Power Administration; the Pittsburgh, Seattle, and Walla Walla Districts of the U.S. Army Corps of Engineers; National Forests, U.S., PA, and WA Departments of Environmental Resources, OR, PA, and WA state historic preservation offices, numerous ID, OH, OR, PA, and WA county and municipal authorities, school districts, and many civil and environmental engineering firms. The projects which Dr. Gundy has been associated with range from large-scale data recoveries to archaeological testing and survey to historic structure inventories to literature searches and include resources associated with both the prehistoric and historic periods. In addition to CRM work, Dr. Gundy has been involved with several public educational projects utilizing both elementary and secondary school aged and adult volunteers in archaeological fieldwork and artifact processing. Dr. Gundy is a certified member of the Register of Professional Archaeologists as well as a member of several other national and state professional societies. Dr. Gundy's publications include a monograph, journal articles, and numerous cultural resource reports and professional papers.

### **Education**

Ph.D. American Studies, The College of William and Mary (expected May 2003)  
M.A. American Studies, The University of Wyoming 1993  
B.A. American Studies, The University of Notre Dame, 1989

### **Areas of Specialization**

Cultural Resource Management; Architectural History; American Material Culture Studies  
Historic Landscapes; Virginia Slave Plantation History; the Consumer Revolution; American  
Colonial and Early Republic History.

### **Professional Experience**

2002-Present: Cultural Resource Specialist, Architectural Historian, Skelly and Loy, Inc.,  
Monroeville, Pennsylvania. Responsible for architectural field survey, archival research, and  
report writing for cultural resource projects in Delaware, Pennsylvania, New York, and West  
Virginia.

May 2000-August 2001: Docent and Consulting Historian, Ash Lawn-Highland, the historic home  
of President James Monroe, Charlottesville, Virginia. As a Docent and Consulting Historian, Mr.  
Hyland conducted house tours and seminars for public interpretation and special tours.

Spring 2000: Instructor, The College of William and Mary. Mr. Hyland developed and taught a  
landscape history class for undergraduates.

1997-1998: Research Fellow, Montpelier, a museum property of the National Trust for Historic  
Preservation, Orange County, Virginia. As a Research Fellow, Mr. Hyland developed an  
interpretation of a slave cemetery based on archaeological investigations, provided research  
for history exhibits, and served as a teaching assistant for a historical archaeology field school  
conducted on the property.

1995-1997: Research Intern, The Library of Virginia, Description Services Branch, County Court  
Records Project. Mr. Hyland processed local records for this public research facility.

1994-1995: Research Assistant, University of Wyoming, American Studies Program, Willie's  
Handcart Disaster Site Recordation Project, Atlantic City vicinity, Fremont County,  
archaeological survey and historic documentation for National Register nomination.

### **Professional Summary**

Mr. Hyland has over 5 years of experience in the field of historic preservation. The nature of the  
projects which Mr. Hyland has been associated with range from research within a historic house  
and museum setting, to classroom and seminar instruction, to archaeological survey and data  
collection, and, lastly, to historic structure inventories. Mr. Hyland is a member of the Society of  
Architectural Historians, The Southeast Chapter of the Society of Architectural Historians, The  
Vernacular Architecture Forum, and The American Studies Association. Mr. Hyland's  
publications and public presentations include a journal article, cultural resource reports,  
professional papers, and conference presentations.

**MARGARET G. SAMS, CPSS**  
**Soil Scientist/Geomorphologist**

**Skelly and Loy, Inc.**  
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**Education**

M.S./1986/Agronomy, Pennsylvania State University, State College, Pennsylvania  
B.S./1979/Agronomy, Ohio State University, Columbus, Ohio

**Active Registration (Discipline/Year First Registered)**

Certified Professional Soil Scientist (C.P.S.S.)/1981

**Areas of Specialization**

Soil genesis, morphology, and classification

**Professional Experience**

Ms. Sams has been involved in field investigations and document preparation regarding the assessment and protection of cultural resources. Her project experience includes highway and bridge relocations, wetland mitigation sites, utility development projects, gravel quarries, surface mines, and industrial development sites. She has performed geomorphological and soils assessments in undisturbed contexts, highly disturbed areas, hazardous waste sites, and areas covered with fill. She has completed geomorphological investigations for projects throughout Pennsylvania, West Virginia, Ohio, and New Jersey. She has also been involved in over one hundred other projects involving transportation, industrial, commercial, and utility development. Transportation projects on which she has interpreted geomorphology include dozens of bridge replacements and wetland mitigation sites, as well as large projects such as the Tunkhannock Bypass, WV Route 340, U.S. Route 220 in PA and WV, U.S. 15 in NY and PA, and the Mon/Fayette Transportation project.

While in Ohio, working for the Soil Conservation Service, Ms. Sams classified and mapped over 40,000 acres of soils and prepared several manuscript sections for the Muskingum County Soil Survey.