



## TECHNICAL PROPOSAL REPORT

<b>Agreement:</b> E00014	<b>Project Specific</b>	<b>Active</b>
<b>Name:</b> Schantz Road Bridge Replacement	<b>Selection Process:</b> Normal	<b>Initiating Org:</b> Engineering District 5-0
<b>Supplement:</b> 8	<b>Normal</b>	<b>Executed</b>
<b>Description:</b> account for necessary archaeological field work and laboratory work that has exceeded the work included in the original scope of work submitted for the Phase III archaeological data recovery of the SR 3012, Section 01B, Schantz Road Realignment Project		

### Part 2 - Final Design

#### Description

Final design of the structure, leading to the development of a Plans, Specifications, and Estimate package. Tasks which may be required include final roadway, structure, right-of-way, and traffic plans, and utility coordination.

#### Task 8 - Archaeology

##### Objective:

2.2.29 - Archaeology

To determine the potential for prehistoric and historic archaeological resources (geomorphology, predictive model) within the area of potential effect (APE), determine the presence or absence of prehistoric and historic archaeological resources within the APE (Phase I), assess the significance of identified resources for eligibility to the National Register of Historic Places (Phase II), determine project effects on eligible resources, and develop appropriate mitigation strategies, such as data recovery (Phase III), as warranted.

##### Scope:

2.2.29 - Archaeology

Archaeology covers those steps in Section 106 consultation involving the identification and evaluation of significant archaeological sites, the project's effects on significant archaeological sites, and appropriate public and consulting party involvement.

#### Detail Task 81 - Archaeology-Artifact Analysis

##### Department Details:

Processing and analysis of the additional 15,525 artifacts, include washing, processing, inventorying, and packaging for submission to the State Museum, as well as analysis and interpretations of the artifact assemblage.

##### Approach:

McCormick Taylor, our cultural resource subconsultant, has recovered a much greater number of artifacts during the archaeological field work phase than anticipated by our scope of work. Based on the density of the artifacts recovered during the Phase II archaeological evaluation investigations,

they anticipated the number of artifacts recovered during the Phase III archaeological data recovery to be 31,300 artifacts (5,300 precontact and 26,000 historic). They have actually recovered approximately 46,825 artifacts (7,266 precontact and 39,559 historic), a difference of 15,525 artifacts (2,266 precontact and 13,559 historic). This is approximately 50% more than they had anticipated and scoped. Therefore, this Supplement includes the processing and analysis of the additional 15,525 artifacts. The hours include washing, processing, inventorying, and packaging for submission to the State Museum, as well as analysis and interpretations of the artifact assemblage.

CECO Associates, Inc. will provide proper coordination as required for the completion of this task.

**Detail Task 82 - Archaeology-Research and Context Development**

**Department Details:**

Since Paleo-Indian component at the site was unknown prior to the commencement of the Phase III. The data from this site need to be incorporated into the Paleo-Indian context in Ice Age Peoples of Pennsylvania, edited by Kurt W. Carr and James M. Adovasio (2002).

**Approach:**

The Paleoindian component at the site was unknown prior to the commencement of the Phase III. A context will need to be prepared for this component, and the data from this site will need to be incorporated into the context. Additional background research will include examining available written documents for other Paleoindian sites in Pennsylvania, including reports prepared by other consultants, professional journal publications, as well as academic research.

CECO Associates, Inc. will provide proper coordination as required for the completion of this task.

**Detail Task 83 - Archaeology-Paleo-Indian Component Field Work**

**Department Details:**

To address the discovery of the Paleo-Indian artifacts, conduct further field investigations to better assess the value of the site and comply with PHMC request. An additional four 1x1 meter units need to be excavated within one meter of the Test Unit 70 where the probable fluted point base was recovered. It is anticipated that one precontact period feature need to be identified and excavated.

**Approach:**

To address the discovery of the Paleoindian artifacts, it will be necessary to conduct further field investigations to better assess the value of the site and comply with the PHMC request. An additional four 1 x 1 meter units will be excavated within one meter of the Test Unit 70 where the probable fluted point base was recovered.

CECO Associates, Inc. will provide proper coordination as required for the completion of this task.

**Consultant Hierarchy**

<b>Business Partner</b>	<b>DBE Type</b>	<b>Supervising BP</b>
CECO Associates, Inc.	No	
McCormick Taylor, Inc.	No	CECO Associates, Inc.

**Attachments**

***No records found.***

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