

Exhibit 1.6: Required Expertise for Cultural Resources Actions

The tables below outline the types of expertise that are required for actions under the Section 106 Programmatic Agreement¹ (106 PA), under the PRC 5024 Memorandum of Understanding² (5024 MOU) and CEQA projects (Table 1), and archaeological activities (Table 2).

TABLE 1 – PQS LEVELS REQUIRED FOR ACTIONS TAKEN UNDER SECTION 106 PA AND 5024 MOU

Action Taken Under Section 106 PA & 5024 MOU	Lead Arch Surveyor	Co-PI PA	Co-PI HA	PI PA	PI HA	PH	PAH
Screen an undertaking	X+	X+	X+	X+	X+	X+	X+
Set and sign APE in consultation with Project Engineer	X+	X+	X+	X+	X+	X+	X+
Determine archaeological property types in Section 106 PA Attachment 4 as exempt from evaluation	-	X	X	X	X	-	-
Determine architectural & historical property types 1, 2, and 3 exempt from evaluation in Section 106 PA Attachment 4	X	X	X	X	X	X	X
Determine architectural and historical property types 4, 5, and 6 exempt from evaluation in Section 106 PA Attachment 4	-	-	-	-	-	X	X
Conduct archaeological Extended Phase I (prehistoric)	-	X	-	X	-	-	-
Conduct archaeological Extended Phase I (historical)	-	-	X	-	X	-	-
Evaluate historical archaeological site (excavation <i>not</i> required)	-	-	*+	-	X+	-	-

¹ First Amended Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act as it Pertains to the Administration of the Federal-Aid Highway Program in California, effective January 1, 2014.

² 2015 Memorandum of Understanding between the California Department of Transportation and the California State Historic Preservation Officer Regarding Compliance with Public Resources Code Section 5024 and Governor’s Executive Order W-26-92, addended 2019.

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Evaluate prehistoric archaeological site	-	*	-	X	-	-	-
Evaluate historical archaeological site (excavation required)	-	-	*+	-	X+	-	-
Evaluate Native American TCP	-	-	-	X	-	-	-
Evaluate non-Native American TCP	-	-	-	-	X+	-	X+
Evaluate built environment feature (ditches, roads, trails, RR grades)	-	-	*+	-	X+	*+	X+
Evaluate vernacular landscapes	-	-	-	-	X+	*+	X+
Evaluate buildings, structures (including bridges), objects, and districts	-	-	-	-	-	X	X
Evaluate designed landscapes (parks, formal gardens, etc.)	-	-	-	-	-	X	X
Evaluate historic-era sites (battlefields, treaty-signing sites, internment camps, etc.)	-	-	-	-	X+	X+	X+
Establish Environmentally Sensitive Areas (ESA) for archaeological sites (prehistoric or historical)	-	X	X	X	X	-	-
Establish ESA for non-archaeological property	-	-	-	X+	X+	-	X
Conduct archaeological data recovery (prehistoric sites)	-	*	-	X	-	-	-
Conduct archaeological data recovery (historical archaeological sites)	-	-	*	-	X	-	-
Peer review archaeological studies with no properties identified	-	X	X	X	X	-	-
Peer review archaeological studies with eligibility determinations (eligible or ineligible), ESAs, data recovery (prehistoric sites)	-	-	-	X	-	-	-
Peer review archaeological studies eligibility determinations (eligible or ineligible), ESAs, data recovery (historical archaeological sites)	-	-	-	-	X	-	-
Peer review built environment studies and ESAs	-	-	-	-	-	-	X
Peer review Findings Of Effect (FOE) and Memoranda of Agreement (MOA)	-	-	-	X+	X+	-	X+
Review for DEBC approval: Historic Property Survey Reports to File and Review Historical Resource Compliance Reports to File <i>except</i> for No Historic Properties Affected with historic properties in the APES	X	X	X	X	X	X	X
Review for DEBC approval: Historic Property Survey Reports to File-No Historic Properties Affected <i>with historic properties</i> in the APE	-	-	-	X	X	-	X
Review for DEBC approval: Historic Property Survey Reports to SHPO <i>except</i> for No Adverse Effect with Standard Conditions	X	X	X	X	X	X	X

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Review for DEBC approval: Historic Property Survey Reports to SHPO for No Adverse Effect with Standard Conditions	-	-	-	X	X		X
Review FOEs and MOAs for DEBC approval	-	-	-	X	X	X	X

Key	Explanation
Lead Arch Surveyor	Lead Archaeological Surveyor
Co-PI PA	Co-Principal Investigator Prehistoric Archaeology
Co-PI HA	Co-Principal Investigator Historical Archaeology
PI PA	Principal Investigator Prehistoric Archaeology
PI HA	Principal Investigator Historical Archaeology
PH	Architectural Historian
PAH	Principal Architectural Historian
X	PQS level(s) qualified to perform task
*	PQS level(s) qualified to perform task with review from higher level
+	Interdisciplinary collaboration <i>strongly</i> recommended

Note: Archaeological Crew Members may assist in archaeological surveys and excavations under the direction of a qualified Lead Archaeological Surveyor or higher.

TABLE 2. PQS LEVELS REQUIRED FOR ARCHAEOLOGICAL ROLES. ACCEPTABLE QUALIFICATION LEVELS FOR EACH ROLE BY STUDY TYPE

Role Played in Study	Survey	Extended Phase I - Prehistoric	Extended Phase I - Historical	Site Evaluation Prehistoric	Site Evaluation Historical	Data Recovery – Prehistoric	Data Recovery – Historical	Construction Monitoring
Crew Member	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H
Crew Chief	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H	2, 3P, 3H, 4P, 4H
Principal Investigator	2, 3P, 3H, 4P, 4H	3P, 3H, 4P, 4H	3H, 4H	4P	3H*, 4H	3P*, 4P	3H*, 4H	3P, 3H, 4P, 4H
Primary Author of Report	2, 3P, 3H, 4P, 4H	3P, 3H, 4P, 4H	3H, 4H	4P	4H	4P	4H	3P, 3H, 4P, 4H
Secondary Author of Report	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H	1, 2, 3P, 3H, 4P, 4H
Contract Coordinator	3P, 3H, 4P, 4H	3P, 3H, 4P, 4H	3P, 3H, 4P, 4H	3P, 4P	3H, 4H	3P, 4P	3H, 4H	3P, 3H, 4P, 4H

Key	PQS Level
1	Archaeological Crew Member
2	Lead Archaeological Surveyor
3P	Co-Principal Investigator – Prehistoric Archaeology
3H	Co-Principal Investigator – Historical Archaeology
4P	Principal Investigator – Prehistoric Archaeology
4H	Principal Investigator – Historical Archaeology
*	PQS level(s) qualified to perform task with review from higher level

How to use this table: For example, the “Data Recovery Historical” category at the “Principal Investigator” level means that only individuals certified as a Co-Principal Investigator (Historical) or Principal Investigator (Historical) are qualified to serve as Principal Investigator at data recovery excavations at a historic archaeological site.