APPENDIX E

STATE HISTORIC PRESERVATION OFFICE CONSULTATION

STATE OF NEVADA
DEPARTMENT OF CULTURAL AFFAIRS
Nevada State Historic Preservation Office
100 N. Stewart Street
Carson City, Nevada 89701

KENNY C. GUINN
Governor

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Interim Director

RONALD M. JAMES
State Historic Preservation Officer

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Date	Initial	Code
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September 29, 2003

J. Tyler Carlson
Regional Manager
Western Area Power Administration
Desert Southwest Customer Service Region
PO Box 6457
Phoenix AZ 85005-6457

RE: Hoover Dam Bypass Project II, Colorado River Basin at Black Canyon, Clark County.

Dear Mr. Carlson:

The Nevada State Historic Preservation Office (SHPO) reviewed the cultural resources inventory for Phase II of the Hoover Dam Bypass Project which will result in the multiple alterations to Hoover-Mead #5, #7, and the Henderson-Hoover Transmission Lines described in your letter of September 2, 2003.

The SHPO concurs with the Western Area Power Administration's determination that the following sites are not eligible under any of the Secretary's criteria:

26Ck6723 and 26Ck6724.

The SHPO concurs with the Western Area Power Administration determination that the following historic property is eligible for the National Register of Historic Places under criterion d:

26Ck6726.

The SHPO cannot concur with a Western Area Power Administration determination that the following resources are eligible under criterion a:

26Ck6725 and 26Ck6726.

In order to complete our review of the Western Area Power Administration's determination of National Register eligibility, we request that the Western Area Power Administration provide the documentation necessary to justify a determination of National Register eligibility. Please refer to National Register Bulletin #38 (Guidelines for Evaluating and Documenting Traditional Cultural Properties) for a description of the methods used to compile this information. Some questions that could be addressed are:

> What characteristics contained in this site would differentiate it from other stone circles and make it eligible as a traditional cultural property?
>
> How large is the traditional cultural property and how are the boundaries defined?

The SHPO awaits the submission of the ethnographic study of the project.

The SHPO notes that the Western Area Power Administration has initiated HAER documentation required for the Hoover-Mead #5 and #7 230-kV Transmission Line. The SHPO awaits submission of these documents.

The proposed activities are part of the Hoover Dam Bypass Project and are therefore addressed by a Programmatic Agreement signed by all parties. No determination of effect for this portion of the project is necessary.

If you have any questions concerning this correspondence, please feel free to call Rebecca Lynn Palmer at (775) 684-3443 or by E-mail at rlpalmer@clan.lib.nv.us.

Sincerely,

Rebecca Palmer

Alice M. Baldrica, Deputy
for State Historic Preservation Officer

Department of Energy
Western Area Power Administration
Desert Southwest Customer Service Region
P.O. Box 6457
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SEP 2 2003

Mr. Ronald M. James
State Historic Preservation Officer
Nevada State Historic Preservation Office
100 North Stewart Street
Carson City, NV 89710

Dear Mr. James:

The Western Area Power Administration (Western) has considered the effects of the undertaking near Hoover Dam described below on cultural resources. Per 36 CFR § 800.4, Western has determined that there will be a **no adverse effect** by the proposed undertaking, **providing the Special Conditions of Compliance** outlined below are strictly followed. The submission of this documentation will fulfill Western's responsibilities under Section 106 of the National Historic Preservation Act.

I. **Description of the Undertaking** – As the result of the Federal Highway Administration's (FHWA) Hoover Dam Bypass Project, Western developed two phases of modification and construction of our electrical facilities in the Hoover Dam and Boulder City area. In Phase I, a portion of each of the Hoover-Mead #6 and #7 230-kV Transmission Lines were reconstructed. The existing lattice steel structures were replaced with single-circuited and double-circuited steel monopole structures. A few of the structures were relocated from their original locations along with abandonment of some structures on the Circuits 11 and 12, due to the future U.S. 93 Highway corridor. This work was done under the FHWA Hoover Dam Bypass Programmatic Agreement.

In Phase II of the Hoover Dam Bypass Project, Western proposes to replace approximately 5 miles of the Hoover-Mead #5 230-kV Transmission Line (Hoover-Mead #5) and approximately 3 miles of the Hoover-Mead #7 230-kV Transmission Line (Hoover-Mead #7) current single-circuit lattice-steel structures with new double-circuit monopole structures. The old Henderson-Hoover 230-kV Transmission Line (Henderson-Hoover) will become the new Henderson-Mead #1 230-kV Transmission Line (Henderson-Mead #1) and would be double-circuited with portions of each of these transmission lines. The Henderson-Mead #1 would be extended approximately 8 miles for the double-circuiting, and would connect with Western's Mead Substation. New right-of-way, approximately 0.25 miles, would be required for the Henderson-Mead #1 when it transfers from double-circuiting with the Hoover-Mead #7 to the Hoover-Mead #5 at Boulder City Tap. The Henderson-Mead #1 will then leave the Hoover-Mead #5 and will enter in a new alignment at the northeastern corner of Mead Substation.

In addition, fiber optic cable will replace the overhead ground wire for the newly double-circuited transmission lines. The fiber optic cable will originate at the Hoover Power House and connect to the Los Angeles Switchyard through the underground Control Tunnel. The fiber optic cable will be placed on the Hoover-Mead #7, and then transferred to the Hoover-Mead #5 via the Henderson-Mead #1. When the Henderson-Mead #1 separates from the Hoover-Mead #5 the fiber optic cable will continue with the Henderson-Mead #1 into Mead Substation.

II. **Methodology and Reporting** – Trancon Environmental (Transcon) conducted a cultural resource inventory of the Phase II project area. The report, **"Western Area Power Administration's Hoover Dam Bypass Project Phase II, Cultural Resources Inventory (Double-Circuiting a Portion of the Hoover-Mead #5 and #7 230-kV Transmission Lines with the Henderson-Mead #1 230-kV Transmission Line), Clark County, Nevada,"** is enclosed for your review and comments. An intensive pedestrian inventory was conducted for the 200-foot right-of-way (ROW) for portions of the Henderson-Hoover, Hoover-Mead #5 and Hoover-Mead #7 230-kV Transmission Lines and a 50-foot ROW for associated access roads. Additional small areas were also surveyed (staging, pulling locations, and areas between the transmission line and associated access roads). Combined, these represent the project Area of Potential Effect (APE).

Part of this project lies within the National Historic Landmark boundary for Hoover Dam. The project area is located east and south of Boulder City, Nevada, in Sections 29 and 30, T.22S., R.65E., Sections 25, 35 and 36, T.22S., R.64E., and Sections 2, 11, 14, 15, 22, 27 and 28, T.23.S., R.64E., MDM, Clark County, Nevada (enclosure). Land status includes the Bureau of Reclamation (BOR), National Park Service (NPS) – Lake Mead Recreation Area, Western and Boulder City Municipal lands.

Portions of the Hoover-Mead #5 and #7 and Henderson-Hoover 230-kV Transmission Lines proposed for double-circuiting were evaluated and documented in "Boulder City/U.S. 93 Corridor Study Historic Structures Survey" by Associated Cultural Resource Experts (ACRE), September 2002 and the Historic American Engineering Record (HAER) Addendum to Hoover Dam (NV) Spanning Colorado River At Route 93 Boulder City Vicinity, Clark County, Nevada," by ACRE, 2002. All three lines were recommended as eligible by FHWA.

III. **Resources Located, Identified and Evaluated** – Transcon's survey identified 38 cultural resources. Of these, 15 are isolated occurrences (IOs). One IO is located on the BOR, one IO is on the NPS, and 13 IOs are located on Boulder City Municipal lands. The IOs are all recommended as not eligible for listing on the National Register of Historic Places (NRHP). There are 23 sites of which 19 are previously recorded sites. Twelve were previously determined to be eligible, six were previously determined to be not eligible for the NRHP and one site is unevaluated. These are listed in Table 5 of the enclosed draft report.

Four newly recorded sites were located, two historic and two prehistoric. The two historic sites, 26CK6723 and 26CK6724, are both located on the BOR. Site 26CK6723 is an alignment of three low-power electric transmission utility poles. Site 26CK6724 is a short segment of an access road associated with the construction of electric transmission lines. Western recommends both of these historic sites as not eligible for inclusion in the NRHP.

The two prehistoric sites 26CK6725 and 26CK6726 are both located on Boulder City Municipal lands. Site 26CK6725 consists of two stone circles and a lithic scatter. Site 26CK6726 consists of one rock shelter and two additional, probable rock shelters located in close association on a conglomerate monolith.

Western consulted with tribes on this project and set up two site visits to help evaluate eligibility and effect to prehistoric sites 26CK6725 and 26CK6726. The tribes included representatives from the Hualapai Tribe, Kaibab-Pauite Tribe, Fort Mojave Tribe, Chemehuevi Tribe and Paiute Indian Tribe of Utah. The tribes expanded the site boundary for site 26CK6726, and they identified both as traditional cultural properties. They also identified methods to mitigate the effects of the project to both sites. At the request of the tribes, Western will do an ethnographic study of the project.

The two newly recorded prehistoric sites, 26CK6725 and 26CK6726, are both recommended as eligible. Both are recommended eligible under criteria a and d. Tribal consultation indicated they are TCPs (criterion a). Both sites have potential for data recovery, criterion d.

The Sullivan Turquoise Site, 26CK23, is unevaluated. During the survey for this project, no features were found within the APE. The survey did go up to 1000' outside the APE and did not identify any features associated with this site. Since the site was recorded so long ago, the original site map does not realistically represent the site's boundaries. Based on the field survey for this project, the site does not extend into the APE for this project. Therefore, there are no impacts to the site, and the site remains unevaluated due to the lack of features or artifacts within the APE. A copy of the site forms are enclosed for clarification.

IV. **Effects Determination and Compliance Decision** – Of the previously recorded sites, five have a potential adverse effect from this project. They are 26CK3916 (Hoover Dam Historic District), 26CK5180 (18 Transmission Lines), 26CK6237 (Hoover-Mead #7), 26CK6240 (Hoover-Mead #5), and NV-27-O (Henderson-Hoover). The sites or the components of these sites that are being affected have had or are under contract to have completed HAER documentation. Western believes if HAER documentation is completed on these sites or their components that this will mitigate any adverse effects.

Of the previously recorded sites, the project has no adverse effect potential. Site 26CK4765 (Hoover Switchyard and Transmission Complex) will have a fiber optic cable connected through the Los Angeles Switchyard component, but no main or major introduction, reconstruction, or removal will occur in this yard. The Los Angeles

Switchyard HAER documentation has been completed and was submitted to the NPS and Nevada State Historic Preservation Office (NVSHPO) by FHWA for the Hoover Dam Bypass Project.

For a portion of the routing of the fiber optic cable installation, the Hoover Control Tunnels will be used. The Control Tunnels have been referenced during evaluation and documentation of the Hoover Switchyards, but not directly recorded. The fiber optic cable will most likely be inside a flexible-plastic conduit placed in the pre-existing cable trays which currently hold other cables (enclosure). This would not affect the integrity or purpose of the Control Tunnels. Due to the nature of work regarding the Control Tunnels there will be a no effect potential.

Six previously recorded sites have no potential for any effects. They are 26CK4046a (U.S. Construction Railroad), 26CK6249 (Southern California Edison North Transmission Line), 26CK6250 (Southern California Edison South Transmission Line), 26CK6238 (Los Angeles Bureau of Power and Light [LABPL] #1 Transmission Line), 26CK6242 (LABPL #3 Transmission Line), and 26CK6251 (Hoover-Basic South Transmission Line). Site 26CK4046a is the only site that may be used temporarily for access during construction. Access will consist of driving over the railroad grade. No improvements or upgrading will occur on or near these sites.

One of the two newly recorded prehistoric sites has no potential for effects. This site, 26CK6725 (two rock circles and lithics), will be avoided and a tribal and archaeological monitor will be present to ensure avoidance. When conductor is changed out over the site, it will be walked off, not drug through, the site. The other new site, 26CK6726, will be avoided by building a new access road to the northeast of the site, away from the monolith. An ethnographic study, involving interested tribes, will be completed. Tribal and archaeological monitors will be present during all construction at this site. Once the old tower is removed and the new tower installed, the landscape will be restored.

Western did consult with NPS and BOR on eligibility and effect on sites located on their lands. Changes were made to the draft report, based on their comments.

Effects determinations are the responsibility of the lead agency. Western has considered the nature of the undertaking and determined that there will **be a no adverse effect to historic** properties by the undertaking provided that Western follows the **Special Conditions of Compliance** established below. Western considers that the stipulations of Section 106 of the National Historic Preservation Act, as amended, and the implementing regulations, 36 CFR § 800, will be satisfied through this consultation.

V. **Special Conditions of Compliance** – Western currently has contracted Mr. Kurt Schweigert of ACRE to complete the additional HAER documentation required for the Hoover-Mead #5 and #7 230-kV Transmission Lines prior to construction. The documentation will be done similarly to what was done for the Hoover Dam Bypass Project. Copies of documentation will be sent to the NVSHPO for review when they are completed in draft form. Tribal and/or archaeological monitors will be on site for

avoidance of Site 26CK6725 (2 rock circles and lithics), and to ensure avoidance at Site 26CK6726 (3 rock shelters). In consultation with the tribes, they concurred that the monitoring and using a new road for access to the structure would mitigate any potential effects to these two sites. The tribes also agreed to an ethnographic study that would be ongoing during the construction project.

Please provide comments on the enclosed draft report. Please concur with our determinations of eligibility and **no adverse effect**. If you have any questions about these determinations, please contact Ms. Mary Barger at (720) 962-7253, or Ms. Alison Jarrett at (602) 352-2434.

Sincerely,

J. Tyler Carlson
Regional Manager

Enclosures

cc:

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