

## *Appendix 702*

### CONSTRUCTION OF HOOVER DAM: REPRESENTATIVE TECHNICAL REFERENCES

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The following list is condensed from a bibliography of specifications and articles furnished by the United States Bureau of Reclamation:

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## HOOVER DAM TRANSMISSION CIRCUITS

### Hoover Dam transmission circuits

| Circuit terminals      | Ownership                       | Length       | Operating voltage | Supporting structure | Number of 3 $\phi$ circuits | Conductor   | Date in service |
|------------------------|---------------------------------|--------------|-------------------|----------------------|-----------------------------|-------------|-----------------|
|                        |                                 | <i>Miles</i> | <i>Kilovolts</i>  |                      |                             | <i>Size</i> |                 |
| Hoover-Los Angeles:    |                                 |              |                   |                      |                             |             |                 |
| No. 1                  | DW & P, City of Los Angeles     | 266          | 287.5             | Steel tower          | 2, single, 226 miles        | 512,000 CM  | Oct. 22, 1936   |
| No. 2                  | do                              | 266          | 287.5             | do                   | Double, 40 miles            | 512,000 CM  | Do.             |
| No. 3                  | do                              | 259          | 287.5             | do                   | Single                      | 512,000 CM  | May 2, 1940     |
| Hoover-Chino:          |                                 |              |                   |                      |                             |             |                 |
| No. 1                  | Southern California Edison Co   | 233          | 230               | do                   | do                          | 605,000 CM  | June 22, 1939   |
| No. 2                  | do                              | 233          | 230               | do                   | do                          | 605,000 CM  | Nov. 15, 1941   |
| Hayfield-Highgrove     | do                              | 105          | 230               | do                   | do                          | 605,000 CM  | Dec. 31, 1945   |
| Hoover-Hayfield        | Metropolitan Water District     | 177          | 230               | do                   | do                          | 795,000 CM  | Nov. 1, 1938    |
| Camino-Gene            | do                              | 60           | 230               | do                   | do                          | 510,000 CM  |                 |
| Hoover-Basic Magnesium | State of Nevada                 | 13           | 230               | do                   | do                          | 795,000 CM  | Nov. 1, 1938    |
| Do                     | do                              | 20           | 230               | do                   | do                          | 500,000 CM  | May 17, 1942    |
| Hoover-San Bernardino  | California Electric Power Co    | 223          | 138               | Steel H frame        | do                          | 500,000 CM  | Oct. 2, 1942    |
| Hoover-Kingman         | Citizens Utilities Co           | 71           | 69                | Single wood pole     | do                          | 4/0         | June 25, 1931   |
| Hoover-Needles         | California Pacific Utilities Co | 96           | 69                | do                   | do                          | 1/0         | Oct. 3, 1938    |
| Hoover-Pioche          | Lincoln County Power District   | 157          | 69                | Wood H frame         | do                          | 1/0         | July 2, 1938    |
| Hoover-Las Vegas       | Southern Nevada Power Co        | 26           | 69                | Single wood pole     | do                          | 214,500 CM  | Sept. 1, 1937   |
| Hoover-Boulder City    | USBR                            |              | 69                | do                   | do                          | 4/0         | Oct. 9, 1944    |
|                        |                                 |              |                   |                      |                             | 3/0         | Feb. 19, 1948   |