



DEPARTMENT OF THE ARMY  
TULSA DISTRICT, CORPS OF ENGINEERS  
POST OFFICE BOX 61  
TULSA, OKLAHOMA 74102

57261

IN REPLY REFER TO

SWIED-RH

14 May 1968

File SWO 2795 (1)

Mr. Earl Anderson, Chief  
Department of Highways  
State of Oklahoma  
Jim Thorpe Building  
Oklahoma City, Oklahoma 73105

Dear Mr. Anderson:

Reference Mr. W. C. Zwick's letter dated 30 April 1968 concerning high-water data at the Sand Springs Arkansas River bridge, Oklahoma Highways 51 and 97.

Computed stages at the Sand Springs bridge for various discharges and conditions are listed below. Upon completion of Kaw Reservoir, currently scheduled in 1974, these stages will be slightly reduced.

- |  |       |
|--|-------|
| a. Channel Capacity (90,000 c.f.s.)  | 643.1 |
| b. Maximum release of record (110,000 c.f.s. in 1957)                                | 644.5 |
| c. Fifty-year flood with no sediment in Keystone (Q=150,000 c.f.s.)                  | 646.7 |
| d. Fifty-year flood with fifty years of sedimentation in Keystone (Q=274,000 c.f.s.) | 648.0 |

Sincerely yours,

*M. W. Degeer*

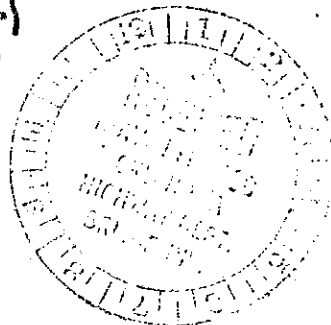
for M. W. DEGEER  
Chief, Engineering Division

Mr. McCarly 5-17-68

Tulsa Co Flood File ←

SWO 2620(2)

SWO 2802(1)



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