

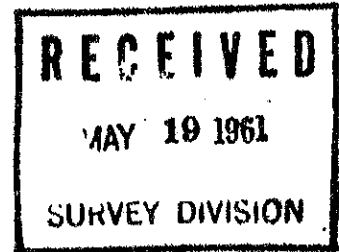
Oklahoma State Highway Dept.

Date May 18, 1961

10 copies

To Mr. Gaines Stout
 From Stansell Byers
 Subject Highwater Elevations Week Ending May 13, 1961

File - Nowata Co. HW info.



Herewith elevation as observed by this office during the flood period listed above:

US 169, California Creek, Nowata County *CC SWO 2137(1)*
 8-9 May 61 Max. HW El. 668.8
 Plan assumed HW El. 663.8 *CC Moran*
 Finished grade El. 668.6
 You will observe the maximum high water was just over the pavement in place.

SH 28, Verdigris River, Nowata County *CC SWO 2477(1)*
 8-9 May 61 Mac. HW El. 671.6
 Plan HW El. 666.5 *Moran*
 Finished grade El. 668.0
 Br. St. El. Abut. 2, 669.95
 Br. St. El. Abut. 1, 671.91

SH 33, Verdigris River Relief Opening, Rogers-Wagoner Counties *CC SWO 2403(1)*
 11 May 61 *CC Moran*
 There are 2 relief openings west of river. Highwater elevation the same at each structure. Max. HW - Water was over the lower flange on the I-Beam stringers.
 Elev. Top of Caps. El. 557.79
 Add to this dimension from top of cap to top of bottom flange for HW Elev.

SH 33 - Verdigris River Bridge
 11 May 61 Max. High Water Elev. 0.5 feet below bottom of bridge seat, Abut. No. 1.

US 66, Verdigris River, 1st Relief Structure, Rogers County *CC SWO 1764(1)*
 11 May 61, Max. High Water Elev. 573.3
 This is 0.7 lower than the 1943 HW Elev. Maximum HW flowed over rails of SLSF RR a depth of approximately 1".

We do not have complete bridge plans on SH 33 and have given observed HW position relative to structures.

*CC Rogers Co.
 Nowata Co.
 Bridge Maint.*

Stansell Byers
 Stansell Byers
 Division Engineer

SB/gp

cc: Bridge Design
 Construction
 Maintenance

