SWO # 2486 (1)

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APR 18 1961
SURVEY DIVISION

Plans & Survey Dept.
Form No. 16
Rev. July 10, 1947

STATE OF OKLAHOMA
DEPARTMENT OF HIGHWAYS
PLANS AND SURVEY DEPARTMENT

FLOOD INFORMATION FORM

To be used in obtaining and transmitting flood water elevations for Plans & Survey office record files. This information to be obtained by all Chiefs of Party in their vicinity in times of unusual high water, or at any time available from a reliable source. The elevations can be recorded by level reading, by measurement from bridge floor, in relation to a house, above roadbed or any other dependable, clear manner that fits the situation, the highest order possible to be used. Separate report to be made on each crossing or place obtained.

County Johnston Date highwater occured March 31, 1961

Highway number SH 12 Name of stream Washita River

Direction and distance from nearest town, village or store 3 Miles S.W. of Ravia, Okla.

Section, Township and Range Sec. 8 - T 5 N - R 5 E

Description of Location See Attached Sheet

Note Washita River on SH 12 Bridge Floor

Method obtained "Y" Level

Elevation _____ Source of levels Assumed Elev. = 500.00

Was highwater mark obtained from actual water, drift, local resident, U. S. Engineers, etc? Drift

Explanatory Remarks See Attached Sheet

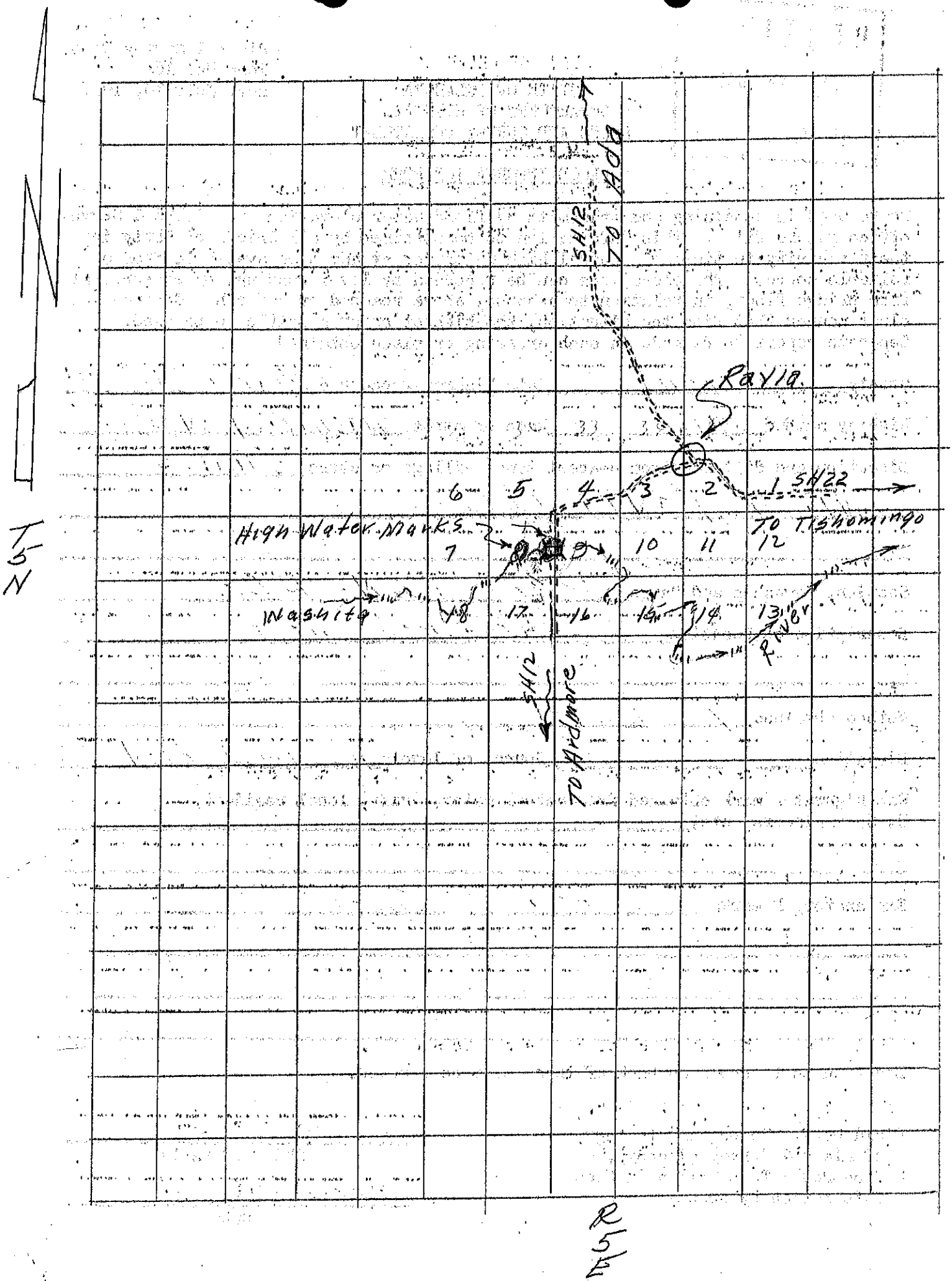
Copy of this to be placed in SH 12 Johnston County file - Douglas Stout

Location to be shown on back of this sheet as a check.

Field Note: To be sent to Engr. of Plans & Survey (1 copy).
Office Note: To be filed in Flood Information by Counties.

Ray M. Lewis
Chief of Party

April 17, 1961
Date


N
T 5 N
R 5 E
SH 12
To Ada
Ravia
1
2
3
4
5
6
7
8
9
10
11
12
SH 22
To Tishomingo
High Water Marks
Washita
SH 12
To Ardmore

ADDRESS REPLY TO:
DISTRICT ENGINEER
U. S. ARMY ENGINEER DISTRICT, TULSA
P. O. BOX 61
TULSA 2, OKLAHOMA

U. S. ARMY ENGINEER DISTRICT, TULSA
CORPS OF ENGINEERS
616 SOUTH BOSTON
TULSA 2, OKLAHOMA

REFER TO FILE NO. SWP GE

21 April 1961

Mr. Gaines H. Stout
Survey Engineer
Oklahoma Department of Highways
Capitol Office Building
Oklahoma City 5, Oklahoma

Dear Mr. Stout:

Reference your letter of 10 April 1961 on proposed improvement of existing SH 12 Washita River crossing.

The available requested information follows:

1. Bench Marks - A bench mark is a chisel cross on top of right bank abutment on downstream side 4.0 feet from end of guard rail, SH elevation 647.97 (Nov. 15, 1945). The location of three bench marks associated with SH-21 is included.

2. Washita River highwater elevations and dates at SH 12 crossing Washita River

Oct., Nov. 1941 (before storage in Denison Res.)	El. 645.34
May 1950	El. 646.5
May 1951	El. 639.9
May 1954	El. 640.4
May 1955	El. 641.3
June 1957	El. 650.6

3. Maximum reservoir elevations and dates:

19 April 1945	El. 629.07
5 Oct 1946	El. 626.01
27 May 1947	El. 626.05
7 Aug 1950	El. 624.44
17 June 1951	El. 626.63
5 June 1957	El. 643.18

NOTE: COPY OF THIS LETTER FURNISHED BURT McCALEB, D. L. McCULLOUGH, LEROY BERRY, RAY N. SHELEY AND TEXOMA RESERVOIR, ON APRIL 24, 1961.

STOUT

21 April 1961

SWP CH
Mr. Gaines E. Stout

4. Inclosed is print showing topography of the area, limits of backwater of 50-year flood and location of sediment ranges.

5. Flow discharge - The U.S.G.S. station near Durwood, Oklahoma, is used as an inflow station to Lake Texoma. The discharge records may be obtained from U.S.G.S. Water Supply Publications, Part 7. The estimated travel time from the Durwood gage to SH 12 crossing is about 12 hours.

6. Drainage area - The drainage area at the Durwood gage is 7,202 square miles.

7. Other information - Inclosed are profiles of sediment ranges 20 to 220 inclusive which are located in the vicinity of SH 12.

Sincerely yours,

M. W. PARKS
Chief, Engineering Division

3 Incl
1. Bench Marks
2. Topography Sheet
3. Profiles of Silt Ranges

D. H. FORM 7

Oklahoma State Highway Dept.

To Mr.Gaines H.Stout Date May 8,1961

From Mr.Ray N.Seeley

Subject Water Level on the Washita River,3 Miles SW of Ravia,Okla On SH 12.

Sta	B.S	H.I	F.S	Elev.	
B.M	3.05	651.02		647.97	"X" ON S.E. Wing Wall of Bridge
			20.1	630.9	Water Level At Bridge
			3.56	647.46	E. Bridge Abut. At End
T.P.	5.06	649.77	6.31	644.71	
T.P.	6.00	650.94	4.83	644.94	
T.P.	3.53	649.82	4.71	646.29	
T.P.	3.95	649.50	4.27	645.55	
T.P.	4.31	647.03	6.72	642.72	
B.M.			2.81	647.22	7/8" Bolt in 30" Live Pecan 500 N.
T.P.	4.36	650.05	1.40	645.69	River Approx 1/2 mile west Bridge
T.P.	0.25	647.79	2.51	647.54	
			16.8	631.0	Water Level At W. Bridge
T.P.	2.79	650.33	0.25	647.54	
T.P.	2.11	647.81	4.63	645.70	
B.M.			3.57	644.24	7/8" Bolt in 30 Live Pecan 500 N. River Approx 1/2 Mile West Bridge

D. H. FORM 7

Oklahoma State Highway Dept.

To Mr. Gaines H. Stout

Date April 17, 1961

From Mr. Ray N. Seeley

Subject High Water Information On The Washita River. 3 Miles SW Of Ravia On SH 12.

NOTE: Assumed Elevation

SWO

Sta.	B.S	H.I.	F.S	Elev.	
B.M.	1.44	501.44		500.00	✓ ℄ Bridge Floor North End Bridge
H. Water drift			6.0	495.4	✓ Drift on Bk Slope 250' N. Bridge
H. Water Drift			6.0	495.4	✓ Drift on S. Bank 50 West of Bridge
T.P.	3.33	502.32	2.45	498.99	✓
T.P.	5.53	503.43	4.42	497.90	✓
T.P.	3.91	502.45	4.89	498.54	✓
T.P.	5.40	502.77	5.03	497.37	✓
T.P.	5.36	503.92	4.21	498.56	✓
BM			7.15	496.77	✓ Fb" Bolt in Love 30" Pecan 500' N. Washita River, Approx ½ Mile West of Bridge.
H. Water Drift.			8.3	495.6	✓ H.W. Drift on overflow 600' N. Washita River and Approx ½ Mile West of Bridge.
H. Water Drift.			4.1	499.8	✓ H. Water Drift on N. Bank of Washita River ½ Mile West of Bridge.
NOTE: Lake of Pals River is 3.70 for ½ Mile.					
NOTE: Extreme High Water for 1957 is Back Water from Lake Texoma. and Was 7.0 Ft. Above Bridge Floor. Measured At time of High Water.					

Note-Compare with other marks.

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