NEBRASKA

WASHINGTON COUNTY

IOWA

HARRISON COUNTY

TYSONS LEVEE

NEW BECK AND RAND-PETERSON LEVEES

Timber & Willows

Cultivated

25 Aug 1951

8 Oct 68 BANK LINES

SAND POINT BEND

TYSONS BEND

GAGE 655.07
C.R.P. EL. 1001.0
W.S. EL. 1000.1
8 Oct. 68

704.2 C.R.P. EL. 1008 PILE EL. 1011.0

704.24 C.R.P. EL. 1000.8 ROCK EL. 1002.6

704.23 REV. BEGIN STA 0+00 C.R.P. EL. 1000.8 STA 0+00

704.6 REV. BEGINS STA 10+00 C.R.P. EL. 1000.9 STA 10+00

704.39 C.R.P. EL. 1005.5 PILE EL. 1005.4 ROCK EL. 1001.7

704.4 PILE EL. 1007.4

704.62 C.R.P. EL. 1001.5 ROCK EL. 1001.9

704.5 C.R.P. EL. 1005.2 PILE EL. 1005.2 ROCK EL. 1001.0

704.7 C.R.P. EL. 1001.2 PILE EL. 1005.2 ROCK EL. 1002.0

704.8 C.R.P. EL. 1001.3

704.9 C.R.P. EL. 1001.3 PILE EL. 1005.9 ROCK EL. 1002.7

705.0 C.R.P. EL. 1001.5 PILE EL. 1008.1 ROCK EL. 1001.7

705.2 C.R.P. EL. 1001.6 ROCK EL. 1001.8 PILE EL. 1003.8

705.3 C.R.P. EL. 1001.8 ROCK EL. 1001.9 PILE EL. 1003.8

705.39 C.R.P. EL. 1001.9 ROCK EL. 1001.7 PILE EL. 1003.9

705.44 C.R.P. EL. 1000.9 ROCK EL. 1005.6

705.45

705.4 C.R.P. EL. 1000.7

705.25 C.R.P. EL. 1001.7 ROCK EL. 1007.4

706.75 REV. BEGINS STA 0+00 ENDS STA 134+02 C.R.P. EL. 1001.5 STA 0+00

705.15 SEE DETAIL

SEE DETAIL REVET 705.45

705.1 PILE EL. 1011.2

704.85 PILE EL. 1013.2

704.85-A EL. 1013.2

704.75 PILE EL. 1013.1

704.75-B EL. 1013

704.65 REV. C.R.P. EL. 00 STA 0+00 C.R.P. EL. 00 STA 9+80

704.65-A NOSE PROT. C.R.P. EL. 00 STA 0+00

704.05 ENDS STA 24+80 C.R.P. EL. 1000.5

704.05-A C.R.P. EL. 1000.5 PILE EL. 1000.5 ROCK EL. 1000.5

704.1 C.R.P. EL. 1000.5 PILE EL. 1005.0 ROCK EL. 1001.3

704.0 C.R.P. EL. 1000.4 ROCK EL. 1001.2

703.88 C.R.P. EL. 000.4 ROCK EL. 001.

703.78 C.R.P. EL. 1002.2 ROCK EL. 1002.2

703.85 REV. BEGINS STA 0+00 ENDS STA 38+55 C.R.P. EL. 1002 STA 0+00

703.8 C.R.P. EL. 1000.2 PILE EL. 1010.2

703.6 C.R.P. EL. 1000.2 PILE EL. 1010.2

703.5 C.R.P. EL. 999.8 PILE EL. 1010.2

703.35 C.R.P. EL. 1001.4 PILE EL. 1007.4

703.1 C.R.P. EL. 1000.2 PILE EL. 1010.2

703.3 C.R.P. EL. 1000.2 PILE EL. 1010.2

703.6-A C.R.P. EL. 1000.2 PILE EL. 1010.2

R-655.95 R-33G CONC.

R-655.7 R-33H CONC.

R-655.5

R-655.2

R-654.9+40° @ 10+00

R-654.7+40° @ 20+00

R-654.5

R-654.35

R-654.2

R-653.95

R-653.7

R-IE RESET CONC. @ 24+018 OF 704.2

R-IFA CONC.

R-IFB 0+00 (704.39) CONC.

R-33I CONC.

R-1D 22+39.8 @ 4.4

R-1C CONC.

R-1B CONC.

R-1A CONC.

L-1 CONC.

L-2 CONC.

L-3 CONC.

L-3A CONC.

L-4 CONC. @ 0+00

L-4A CONC. @ 0+00

L-10 CONC.

L-11 CONC. - TWO POINT

L-11A CONC.

L-11B CONC.

L-12 CONC.

L-13 CONC.

L-13A CONC.

L-13B CONC.

L-13C CONC.

L-13D CONC.

L-13E CONC.

L-13F CONC.

L-13G CONC.

40° @ 50+00 = L-654.1 CONC.

40° @ 65+00 = L-653.9 CONC.

40° @ 75+00 = L-653.7 CONC.

Structure Azimuth Line is top of paving (2+79.2) to 28+25 C.R.P. 28+25 to 87+30.5 C.R.P. is 36' riverward from Structure Az. Line (2+79.2) to 28+25.

Prop top of toe in revet 704.6

Toe of slope 4:5 above C.R.P.

Top of rock entrance

Top toe trench revet 704.6

REVET 704.6 TYSONS MARINA SCALE 1"=100'

MATTRESS DETAIL REVET 705.45 SCALE 1"=100 FT

BM 322 EL. 1013.08 TOP OF CAP = EL. 1014.15

GRID CHANGE LINE

GRID DIVERGENCE +0°48'30" GRID DIVERGENCE -0°48'30" TRUE AT ▲ 332

GRID DIVERGENCE +0°48'30" GRID DIVERGENCE -0°48'30" TRUE AT ▲ 328

GRID DIVERGENCE +0°48'30" GRID DIVERGENCE -0°48'30" TRUE AT ▲ 324

Azimuth Mark

334,000 W 332,000 W 330,000 W 328,000 W 326,000 W

814,000 N 812,000 N 810,000 N 808,000 N 806,000 N 818,000 N 816,000 N

GAGE DATA

Location	Reading	Discharge	C.R.P.	Date
Decatur	5.9	32,500	-0.9	8 Oct. '68

Note:
All soundings are depths in feet below C.R.P.
(Design flow of 30,000 c.f.s. at Sioux City.)

NOTES:

1. ▲ WESTON IS THE ORIGIN OF THE GRID COORDINATE SYSTEM.
2. ALL AZIMUTHS ON THIS SHEET REFER TO TRUE SOUTH AT ▲ AS SHOWN.
3. GRID DIVERGENCE AS SHOWN.
4. ELEVATIONS REFER TO MEAN SEA LEVEL AS ZERO @ 1960 ADJUSTED MILEAGE.
5. 1960 MILEAGE SHOWN IN TITLE.
6. ▽▽ BEND CHANGE.

DATE	REVISIONS DESCRIPTION	BASE	APPR'D
	Revised to show latest field data		

U. S. ARMY ENGINEER DISTRICT, OMAHA
CORPS OF ENGINEERS
OMAHA, NEBRASKA

COMPILED BY: L.P.L.
DRAWN BY: L.P.L.
TRACED BY: L.P.L.
CHECKED BY: G.C.S.
SUBMITTED BY: H.G. Chrisler, Unif. Channel Stab. Sec.
APPROVED: R.E. Marshall, Chief, Civil Works Branch
APPROVED: Charles L. Hipp, Chief, Engineering Division
APPROVED: [illegible], Col., C.E., District Engineer
DATE: 8 Oct 1968

MISSOURI RIVER
HYDROGRAPHIC SURVEY
STRUCTURE 705.35 TO 703.35
SANDY POINT AND TYSONS BENDS

SCALE 1 INCH = 400 FEET
0 400 800 1200 FEET

DRAWING NUMBER
MCC-18E68-54

MILE 656.2 TO 653.6 (960)