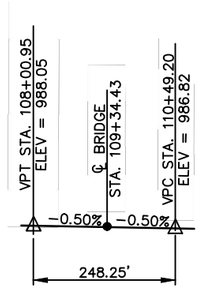
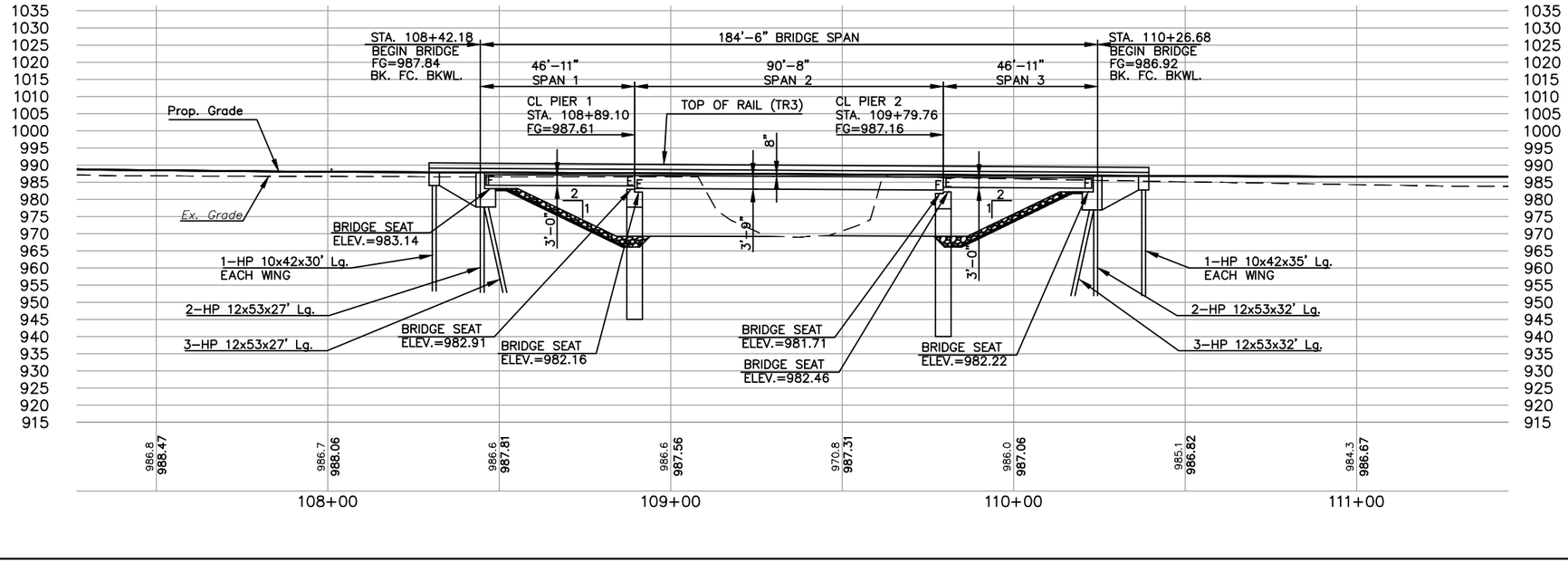
REVISED PROPOSED R/W		
REV. NO.	DESCRIPTION	DATE



GRADE DATA

Benchmark #400
Set 1/2" Iron Pin W/ Conctrol Cap
N=639453.6000
E=2229710.9630
Elevation=983.349

Benchmark #401
Set 1/2" Iron Pin W/ Conctrol Cap
N=639392.1540
E=2229339.1530
Elevation=983.983



BRIDGE STANDARDS

CB26..32-C..I-SKO...30-GRAU-BC-00E
CB26..32-C..I-SKO...30-PCB-DTL-1-01E
CB26..32-C..I-SKO...30-PCB-DTL-2-01E
CB26...32-C-SKO-WING-PC2-01E
CB26...32-C-SKO-ABUT-MISC-01E
CB32-C-SKO-ABUT-PC2-02E
CB32-C-SKO-XSECT-PC234-01E
CB32-C-SKO-LSECT-PCB-01E
CB32-C-SKO-DIA-END-PC234-01E
CB32-C-SKO-DKSLB-BLIST-01E
CB32-C-SKO-SPR-QUAN-PCB-1-01E
CB32-C-SKO-SPR-QUAN-PCB-2-01E
CB32-C-SKO..30-PCB-II-45-01E
CB32-C-SKO..30-PCB-III-90-01E
CB32-C-SKO..30-DIA-INT-PCB-01E
CB32-C-SKO..30-BRG-PC2-01E
CB32-C-SKO..30-BRG-PC3-01E
EJ-SQ-03E
EJ-DTL-01E
HPI-2-00E
TR3-2-01E

HYDRAULIC DATA

DRAINAGE AREA = 57.20 SQ. MI.
CONTROLLED AREA = 0 SQ. MI.
UNCONTROLLED AREA = 57.20 SQ. MI.

Q2	= 2340 C.F.S.
V2	= 1.75 FPS
CHW2	= 980.30
Q5	= 4670 C.F.S.
V5	= 2.79 FPS
CHW5	= 983.80
Q10	= 6880 C.F.S.
V10	= 4.11 FPS
CHW10	= 985.22
Q25	= 10500 C.F.S.
V25	= 6.27 FPS
CHW25	= 987.17
Q50	= 13600 C.F.S.
V50	= 7.11 FPS
CHW50	= 988.65
Q100	= 16600 C.F.S.
V100	= 6.05 FPS
CHW100	= 989.51
CONTRACTION SCOUR	= 1.04'
PIER SCOUR	= 7.58'
TOTAL	= 8.62'
Q500_	= 25800 C.F.S.
V500	= 5.23 FPS
CHW500	= 992.53
TOTAL SCOUR	= 8.15'
QOT =Q(25.17)	= 10521 C.F.S.

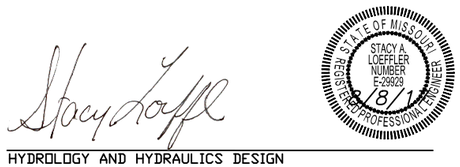
DESIGN DATA

CLASS AA CONCRETE	F'C=4 KSI
CLASS A CONCRETE	F'C=3 KSI
REINFORCING STEEL	FY=60KSI
STRUCTURAL STEEL M270 (GRADE 50W)	FY=50KSI

LOADING: HL-93 OR OKLAHOMA OVERLOAD TRUCK
20 P.S.F. FUTURE WEARING SURFACE
5 P.S.F. STAY-IN-PLACE FORMS

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH INTERIMS THROUGH 2010 INTERMS, EXCEPT AS MODIFIED BY CURRENT ODOT BRIDGE DIVISION DESIGN PILICIES.
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

LFD OPERATING RATING: HS 32.9



HYDROLOGY AND HYDRAULICS DESIGN
STACY LOEFFLER
REGISTERED PROFESSIONAL ENGINEER No. E-29929

EW-18 KAY COUNTY

GENERAL PLAN & ELEVATION

CONSTRUCT 3 SPAN 45'-90'-45',
TYPE II-III-II P.C. BEAM SPANS,
32' CLR. RDY. W/ CONCRETE TRAFFIC RAIL (TR3),
℄ STA. 109+34.43

Design	.	.
Detail	.	.
Check	.	.
Squad:		
Engr.		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 28433(04) | SHEET NO. B001