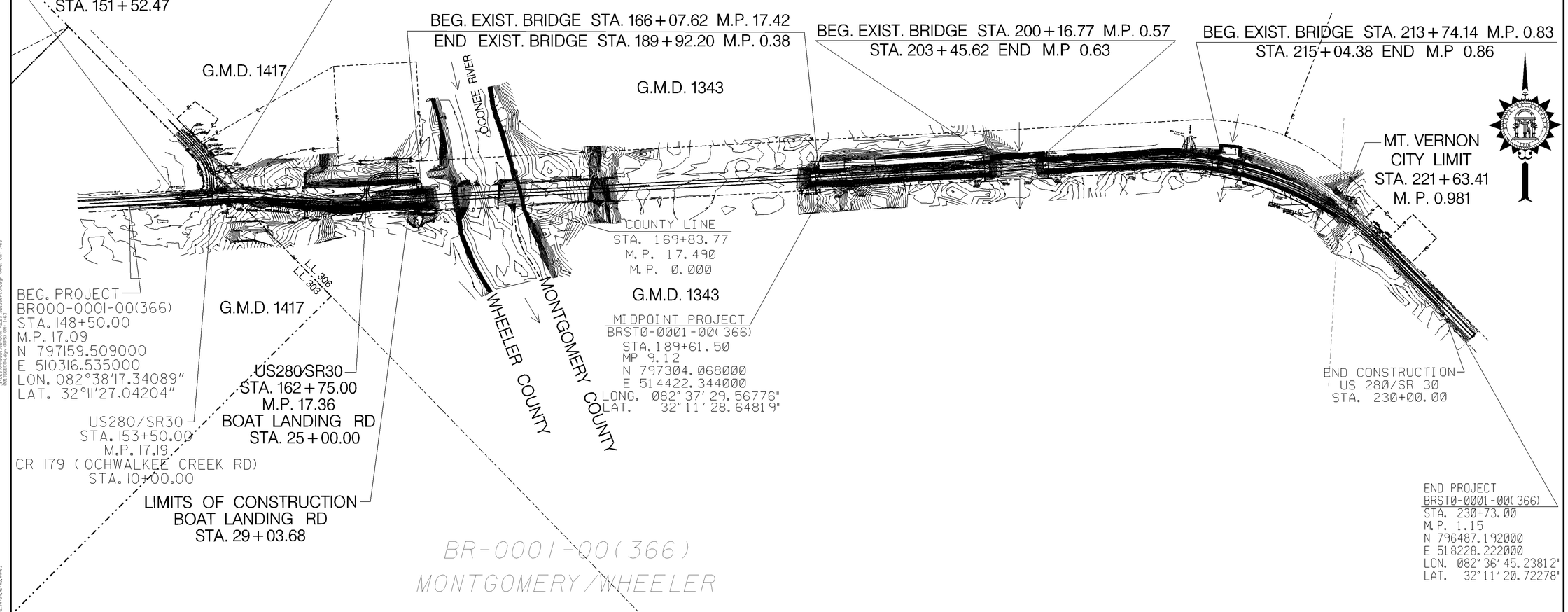
COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MONTGOMERY/WHEELER	BR000-0001-00(366)	106	301

TYPE STRUCTURE: MAIN BRIDGE
STATION(S): 166+07.62 TO 189+92.20
BRIDGE LENGTH: 2310
BRIDGE WIDTH: 44
PRE-CONSTR. RO COEF.: 0.69
POST-CONSTR. RO COEF.: 0.69
SKEW ANGLE: N/A
CHANNEL SLOPE: 0.000276
TOTAL DRAINAGE AREA: 5110.00 SQ. MI.
TOTAL DISTURBED AREA IN BASIN: 0.98 AC.
TOTAL PROJECT AREA: 50.55 AC.
TOTAL DISTURBED AREA: 45.00 AC.
PRE Q 50: 83320 POST Q 50: 83757 CFS HW ELEV. 126.37 FT.
PRE Q 100: 92025 POST Q 100: 92510 CFS HW ELEV. 127.23 FT.
PRE Q 500: 110955 POST Q 500: 111510 CFS HW ELEV. 129.01 FT.
50 YR PRE VELOCITY: 3.02 FPS 50 YR POST VELOCITY: 3.07 FPS
100 YR PRE VELOCITY: 3.12 FPS 100 YR POST VELOCITY: 3.17 FPS
500 YR PRE VELOCITY: 3.32 FPS 500 YR POST VELOCITY: 3.37 FPS
PRE BACKWATER : 50 YR = 0.24 100 YR = 0.28
POST BACKWATER : 50 YR = 0.27 100 YR = 0.31
STRUCTURE STD.: WIDENING DESIGN SHEETS
RECEIVING STREAM: OCONEE RIVER

TYPE STRUCTURE: OVERFLOW BRIDGE #1
STATION(S): 200+16.77 TO 203+45.62
BRIDGE LENGTH: 320
BRIDGE WIDTH: 44
PRE-CONSTR. RO COEF.: 0.59
POST-CONSTR. RO COEF.: 0.59
SKEW ANGLE: N/A
CHANNEL SLOPE: N/A
TOTAL DRAINAGE AREA: 5110.00 SQ. MI.
TOTAL DISTURBED AREA IN BASIN: 0.50 AC.
TOTAL PROJECT AREA: 50.55 AC.
TOTAL DISTURBED AREA: 45.00 AC.
PRE Q 50: 2641.00 POST Q 50: 2300.00 CFS HW ELEV. 126.37 FT.
PRE Q 100: 3123.00 POST Q 100: 2767.00 CFS HW ELEV. 127.23 FT.
PRE Q 500: 4216.00 POST Q 500: 3851.00 CFS HW ELEV. 129.01 FT.
50 YR PRE VELOCITY: 1.24 FPS 50 YR POST VELOCITY: 1.21 FPS
100 YR PRE VELOCITY: 1.30 FPS 100 YR POST VELOCITY: 1.27 FPS
500 YR PRE VELOCITY: 1.42 FPS 500 YR POST VELOCITY: 1.40 FPS
PRE BACKWATER : 50 YR = 0.24 100 YR = 0.28
POST BACKWATER : 50 YR = 0.27 100 YR = 0.31
STRUCTURE STD.: WIDENING DESIGN SHEETS
RECEIVING STREAM: OCONEE RIVER

TYPE STRUCTURE: OVERFLOW BRIDGE #2
STATION(S): 213+74.14 TO 215+04.38
BRIDGE LENGTH: 120
BRIDGE WIDTH: 44
PRE-CONSTR. RO COEF.: 0.59
POST-CONSTR. RO COEF.: 0.59
SKEW ANGLE: N/A
CHANNEL SLOPE: N/A
TOTAL DRAINAGE AREA: 5110.00 SQ. MI.
TOTAL DISTURBED AREA IN BASIN: 0.20 AC.
TOTAL PROJECT AREA: 50.55 AC.
TOTAL DISTURBED AREA: 45.00 AC.
PRE Q 50: 338.00 POST Q 50: 216.00 CFS HW ELEV. 126.37 FT.
PRE Q 100: 445.00 POST Q 100: 297.00 CFS HW ELEV. 127.23 FT.
PRE Q 500: 701.00 POST Q 500: 502.00 CFS HW ELEV. 129.01 FT.
50 YR PRE VELOCITY: 0.98 FPS 50 YR POST VELOCITY: 0.80 FPS
100 YR PRE VELOCITY: 1.06 FPS 100 YR POST VELOCITY: 0.88 FPS
500 YR PRE VELOCITY: 1.21 FPS 500 YR POST VELOCITY: 1.05 FPS
PRE BACKWATER : 50 YR = 0.24 100 YR = 0.28
POST BACKWATER : 50 YR = 0.27 100 YR = 0.31
STRUCTURE STD.: WIDENING DESIGN SHEETS
RECEIVING STREAM: OCONEE RIVER

TYPE STRUCTURE: CULVERT
STATION(S): 220+72.24 TO 220+87.76
CULVER LENGTH: EXTEND 87'
CULVER WIDTH: DOUBLE BARREL 6' BY 5'
PRE-CONSTR. RO COEF.: N/A
POST-CONSTR. RO COEF.: N/A
SKEW ANGLE: 75
CHANNEL SLOPE: N/A
TOTAL DRAINAGE AREA: 5110.00 SQ. MI.
TOTAL DISTURBED AREA IN BASIN: N/A AC.
TOTAL PROJECT AREA: 50.55 AC.
TOTAL DISTURBED AREA: 45.00 AC.
PRE Q 50: 101.00 POST Q 50: 127.00 CFS HW ELEV. 126.37 FT.
PRE Q 100: 106.00 POST Q 100: 126.00 CFS HW ELEV. 127.23 FT.
PRE Q 500: 128.00 POST Q 500: 137.00 CFS HW ELEV. 129.01 FT.
50 YR PRE VELOCITY: 1.69 FPS 50 YR POST VELOCITY: 2.11 FPS
100 YR PRE VELOCITY: 1.77 FPS 100 YR POST VELOCITY: 2.10 FPS
500 YR PRE VELOCITY: 2.14 FPS 500 YR POST VELOCITY: 2.28 FPS
PRE BACKWATER : 50 YR = 0.24 100 YR = 0.28
POST BACKWATER : 50 YR = 0.27 100 YR = 0.31
STRUCTURE STD.: WIDENING DESIGN SHEETS
RECEIVING STREAM: OCONEE RIVER



GEORGIA
DEPARTMENT OF TRANSPORTATION

SCALE IN FEET
0 300 600 1200

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: JESUP ROAD DESIGN

DRAINAGE AREA MAP

SR 30/ US 280 @
OCONEE RIVER & OVERFLOWS

DRAWING No. 21-001