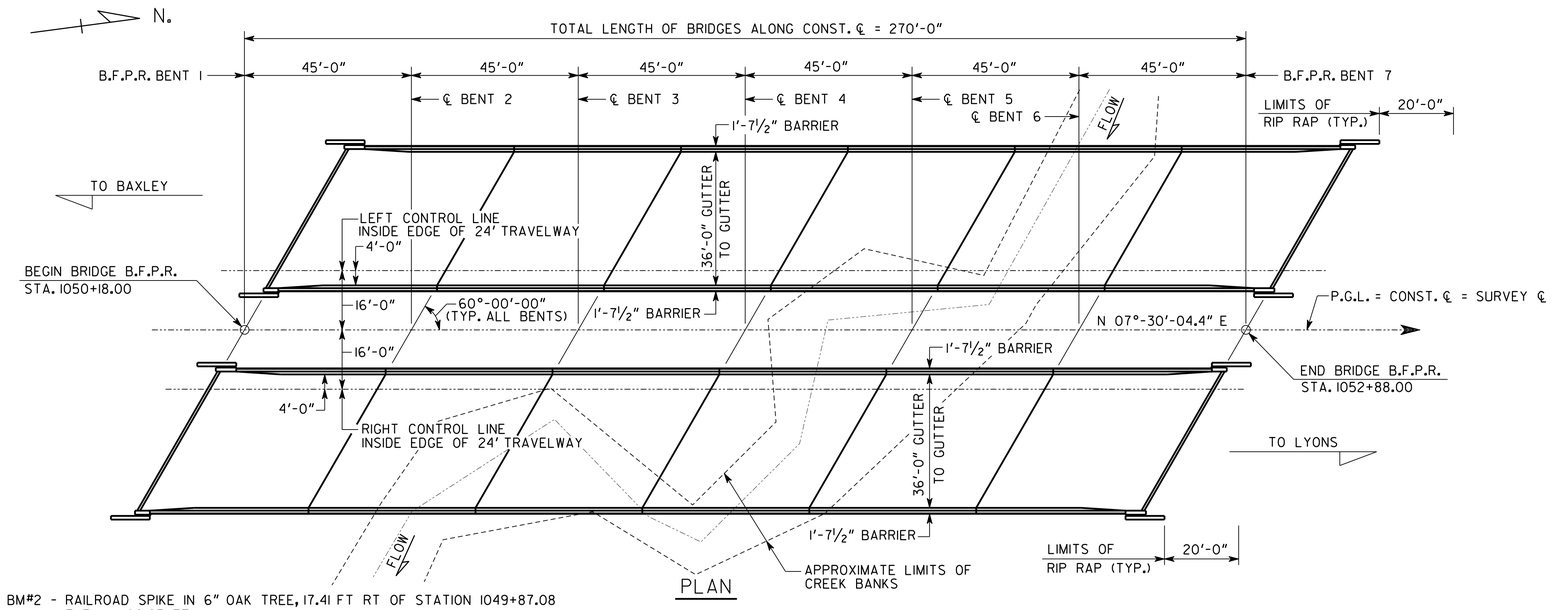
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



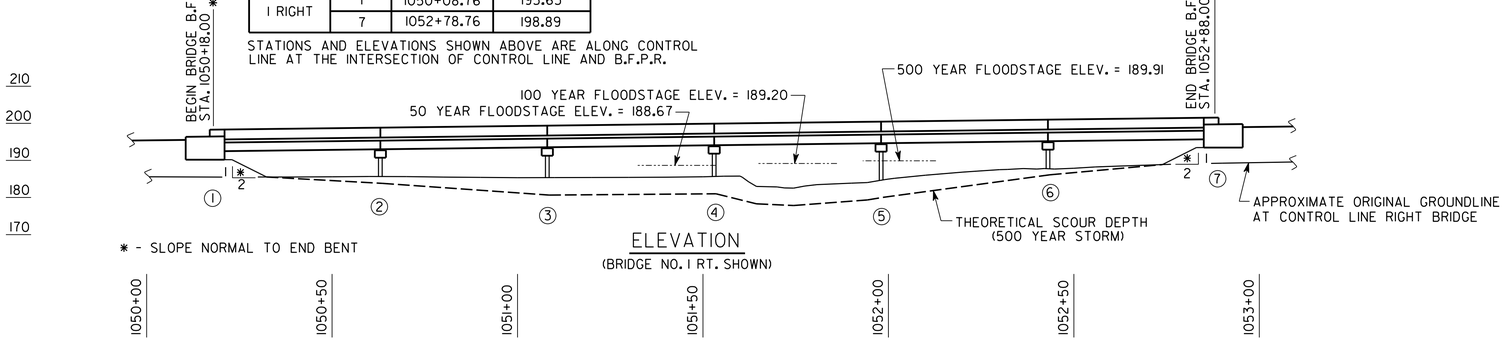
PLAN

BM#2 - RAILROAD SPIKE IN 6" OAK TREE, 17.41 FT RT OF STATION 1049+87.08
ELEV. = 186.93 FT.

STATIONS AND ELEVATIONS			
BRIDGE	BENT	STATION	ELEVATION
1 LEFT	1	1050+27.24	195.76
	7	1052+97.24	199.21
1 RIGHT	1	1050+08.76	195.63
	7	1052+78.76	198.89

STATIONS AND ELEVATIONS SHOWN ABOVE ARE ALONG CONTROL LINE AT THE INTERSECTION OF CONTROL LINE AND B.F.P.R.

** - STATIONS ARE ALONG CONST. ℄



ELEVATION
(BRIDGE NO. 1 RT. SHOWN)

* - SLOPE NORMAL TO END BENT

RIP RAP DETAIL
NO SCALE

BERM ELEVATIONS ⊛ (BRIDGE NO. 1 LT.)	
END BENT	ELEVATIONS
1 LT	189.45
1 RT	190.00
7 LT	193.07
7 RT	193.43

BERM ELEVATIONS ⊛ (BRIDGE NO. 1 RT.)	
END BENT	ELEVATIONS
1 LT	189.91
1 RT	189.05
7 LT	193.19
7 RT	192.11

⊛ NOTE: FOR BRIDGE ENDROLL STAKING PURPOSES ONLY.

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 6TH EDITION, 2012
DESIGN VEHICLE LIVE LOAD ---------- HL-93
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

DRAINAGE DATA

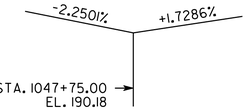
DRAINAGE AREA ---------- 5.8 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	888 CFS	1.37 FPS	647 SQ FT	0.44 FT
100 YEAR	1080 CFS	1.45 FPS	745 SQ FT	0.48 FT
500 YEAR	1530 CFS	1.71 FPS	894 SQ FT	0.60 FT

THEORETICAL SCOUR DEPTHS (FT) (BR. NO. 1 LT.)						
	100 YEAR STORM			500 YEAR STORM		
BENT LOCATION	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
BENTS 2-4	0.0	1.6	1.6	0.0	1.8	1.8
BENT 5	1.6	1.7	3.3	2.9	1.8	4.7
BENT 6	0.0	1.4	1.4	0.0	1.6	1.6

THEORETICAL SCOUR DEPTHS (FT) (BR. NO. 1 RT.)						
	100 YEAR STORM			500 YEAR STORM		
BENT LOCATION	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
BENT 2	0.0	1.6	1.6	0.0	1.8	1.8
BENTS 3-5	1.6	1.7	3.3	2.9	1.8	4.7
BENT 6	0.0	1.4	1.4	0.0	1.6	1.6

THE 500 YEAR SCOUR IN THE CREEK IS 4.7 FT



1000 FT. V.C.

PROPOSED VERTICAL CURVE

PROPOSED BRIDGE CONSISTS OF

6 - 45'-0" TYPE I MOD PSC BEAM SPANS ---------- SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
5 - PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN
24" TYPE I RIP RAP

TRAFFIC DATA

TRAFFIC ---------- ADT = 5500 (2019)
ADT = 6750 (2039)
DESIGN SPEED ---------- 65 MPH
TRUCKS ---------- 24 %
24 HR TRUCKS ---------- 31 %
DIRECTIONAL ---------- 50/50 %

NOTES

CROSS-SLOPE - THE PROPOSED BRIDGE DECKS ARE TO BE BUILT ON A CONSTANT CROSS SLOPE OF 2.0%, WITH THE LEFT BRIDGE SLOPING DOWN TO THE LEFT AND THE RIGHT BRIDGE SLOPING DOWN TO THE RIGHT.
DECK DRAINS - DECK DRAINS TO BE PLACED AT 10 FT SPACING. ELIMINATE DECK DRAINS OVER ENDFILLS.
BENT LAYOUT - ALL BENTS ARE PARALLEL.
BEAM ELEVATION - MINIMUM BOTTOM OF BEAM ELEVATION FOR PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 190.67.
TRAFFIC CONTROLS - TRAFFIC TO BE MAINTAINED ON EXISTING SR 4 (US 1) DURING PROPOSED CONSTRUCTION.

EXISTING UTILITIES

NO UTILITIES WITHIN THE VICINITY OF THE NEW PROPOSED BRIDGE SITE

BRIDGE SERIAL NO. --- N/A
BRIDGE ID NO. --- N/A
PROJECT P.I. NO. --- 522200

BRIDGE NO. 1 (LT. & RT.)

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PRELIMINARY LAYOUT
S.R. 4 (U.S. 1) OVER LITTLE ROCKY CREEK
TOOMBS COUNTY EDS00-0545-00(026)

SCALE: 1" = 20'-0" (UNLESS NOTED) SEPTEMBER 2014

DRAWING NO.	REVISIONS	BY	DATE
35-001			
BRIDGE SHEET 1 OF 1			

DESIGNED CRP | CHECKED STB | REVIEWED DLC/WMD
DRAWN WMC | DESIGN GROUP STB | APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE

FILENAME: T522200BL.DGN

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