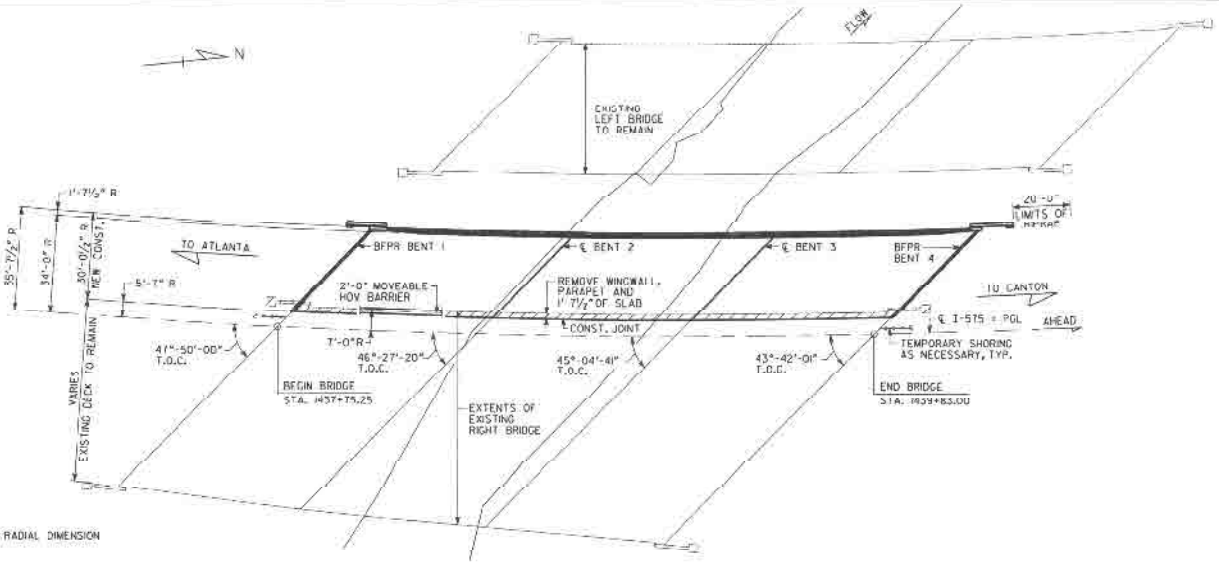
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	NH000-0575-01(028)		



R = RADIAL DIMENSION

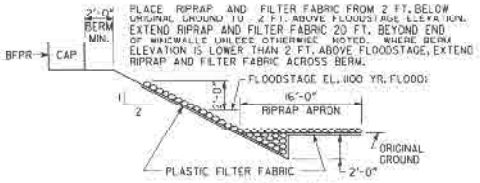
PLAN
SCALE: 1" = 20'-0"

P.I. STA. = 1443+73.82
Δ = 40°-33'-11"
D = 1°-59'-22"
T = 1064.00 FT
L = 2038.42 FT
R = 2880.00 FT

℄ I-575
HORIZONTAL CURVE DATA

+0.626% +2.630%
P.V.I. STA. 1443+90.00 EL. 895.87
1380 FT V.C.

I-575
GRADE DATA



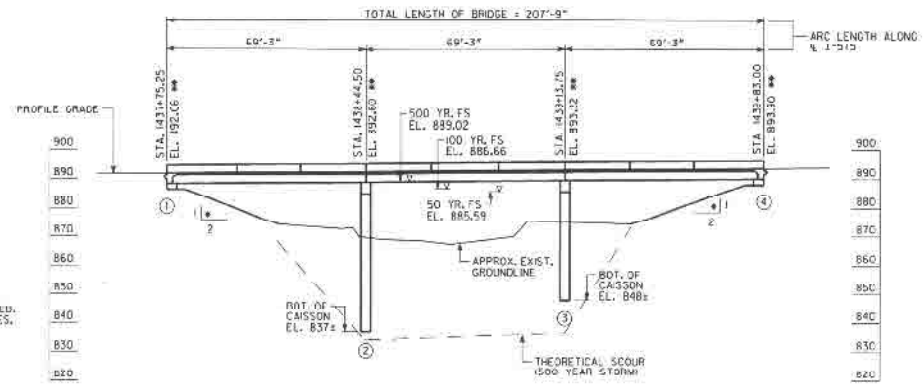
RIPRAP DETAIL
NO SCALE

BERM ELEVATIONS ⊛		
BENT	LEFT	RIGHT
1	883.97	882.19
4	885.92	884.55

⊛ NOTE: FOR BRIDGE ENDBENT STAKING PURPOSES ONLY.

NOTES:

1. * SLOPE NORMAL TO END BENTS.
2. ** STATIONS ARE ALONG ℄ I-575 AT THE INTERSECTION OF ℄ I-575 AND BFPR OR ℄ BENT. ELEVATIONS ARE ALONG PGL.
3. END BENT PILES NOT SHOWN.
4. THE PROPOSED BRIDGE DECK IS TO BE BUILT ON A CONSTANT CROSS SLOPE OF 7%, SLOPING DOWN TO THE LEFT.
5. REPAIR AND REPLACE EXISTING RIPRAP AS NEEDED. EXTEND APRON ACROSS TOE OF EXISTING SLOPES.
6. THE MINIMUM BOTTOM OF BEAM ELEVATION FOR THE PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 885.90
7. THE PROPOSED BRIDGE BOTTOM OF BEAM ELEVATION IS 886.17



ELEVATION
SCALE: 1" = 20'-0"

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY B)
TYPICAL HS20-44 AND/OR MILITARY LOADING --- IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

WIDENED BRIDGE CONSISTS OF

3 - 69'-3" TYPE II PSC BEAM SPAN ---------- SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
2 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

24" TYPE I RIP RAP

UTILITIES

NONE

DRAINAGE DATA

DRAINAGE AREA ---------- 43.2 SQ MI

FLOOD FREQUENCY	DISCHARGE THRU BRIDGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	7774 CFS	6.76 FPS	1151 SQ FT	1.53 FT
100 YEAR	9108 CFS	7.13 FPS	1278 SQ FT	1.81 FT
500 YEAR	12749 CFS	7.22 FPS	1765 SQ FT	2.47 FT

THEORETICAL SCOUR DEPTHS (FT)						
	100 YEAR STORM			500 YEAR STORM		
BENT LOCATION	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
BENT 2 - 3	22.7	13.3	36.0	26.8	8.4	35.2

EXISTING RIGHT BRIDGE SERIAL NO. 057-0040-0
EXISTING RIGHT BRIDGE I.D. NO. 057-0040-0-001-93N
PROJECT P.I. NO. 713640

BRIDGE NO. 40

DESIGN ENGINEER	1/20/03	DATE
DRAWN BY		DATE
CHECKED BY		DATE
SUPERVISOR		DATE
APPROVED		DATE

REVISIONS

NO.	DATE	DESCRIPTION	DRG	CHK	SUPV	APPR
1	6/30/03	Incorporate Revisions [illegible]	ALV	TM	TM	MB
2	10/24/03	SUB SUBMISSION	ALV	JCR	SLE	SAL
3	04/30/05	PLOTTING PER COSTS TERMINATION FOR	ALV			
		CONVENIENCE DIRECTION				

GTP Georgia Transportation Partners

NORTHWEST I-75/I-575 CORRIDOR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

JBT J.B. Trimble, Inc.
2550 Heritage Ct. SE Suite 250
Atlanta GA 30339-3062
(770) 952 1022

BRIDGE SHEET 1 OF 6

I-75 / I-575 NORTHWEST CORRIDOR

I-575 REVERSIBLE OVER NOONDAY CREEK NORTH
PLAN AND ELEVATION

CHEROKEE COUNTY NH000-0575-01(028)

DRAWING NO. 35-26