STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH000-0085-02(153)	294	326

BRIDGE CONSISTS OF

1 - 145'-3" BULB TEE, 72 IN, PSC BEAM SPAN ..... SPECIAL DESIGN

4 - 115'-0" BULB TEE, 63 IN, PSC BEAM SPANS
WITH 72" BULB TEE FASCIA BEAMS ..... SPECIAL DESIGN

3 - 161'-0" BULB TEE, 74 IN, PSC BEAM SPANS ..... SPECIAL DESIGN

2 - 138'-0" BULB TEE, 72 IN, PSC BEAM SPANS ..... SPECIAL DESIGN

1 - 144'-0" BULB TEE, 74 IN, PSC BEAM SPAN ..... SPECIAL DESIGN

9 - 137'-9" BULB TEE, 72 IN, PSC BEAM SPANS ..... SPECIAL DESIGN

1 - PILE END BENT WITH MSE WALL ..... SPECIAL DESIGN

20 - CONCRETE INTERMEDIATE BENTS ..... SPECIAL DESIGN

DESIGN DATA

SPECIFICATIONS ..... AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING .....IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ..... 30 PSF

TRAFFIC DATA

TRAFFIC ..... ADT = 16100 (2015)
ADT = 19700 (2035)

DIRECTIONAL DIST ..... N/A

DESIGN SPEED ..... 45 MPH

24-HOUR TRUCKS 6.3%

TRUCKS 5.5%

DRAINAGE DATA

DRAINAGE AREA ---------- 38.60 SQ. MILES

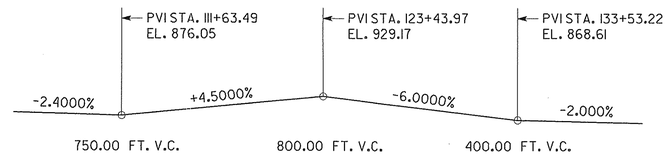
FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING BELOW FLOODSTAGE	BACKWATER
50-YEAR	7868 CFS	0.89 FPS	8819 SQ FT	0.04 FT
100-YEAR	8983 CFS	0.89 FPS	10083 SQ FT	0.04 FT
500-YEAR	12429 CFS	1.13 FPS	10966 SQ FT	0.07 FT

UTILITIES

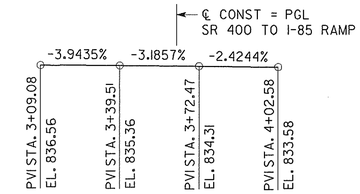
NONE

BENCHMARK

BENCH MARK CP-205 --------- GDOT (FULTON COUNTY)
DESCRIPTION: CP 205 IS A ⅜" REBAR
N 1390775.9625 E 2239798.2902
STA. 137+84.05, 55.19 FT. LT. ℄ CONST. SR 400 TO I-85 RAMP
ELEV 804.09



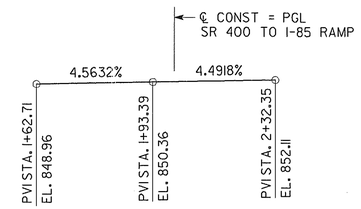
VERTICAL CURVE DATA
SR 400 TO I-85 RAMP



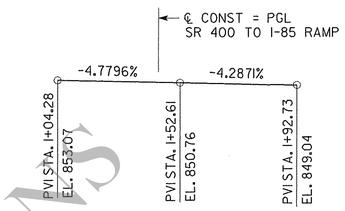
EXISTING GRADE DATA
SR 13NB TO I-85 NB

P.I. STA. 127+49.48
D = 4°-31'-32.64"
Δ = 109°-02'-29.17"LT.
R = 1266.00'
T = 1776.22'
L = 2409.37'

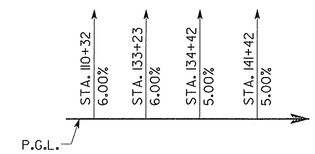
HORIZONTAL CURVE DATA
SR 400 TO I-85 RAMP



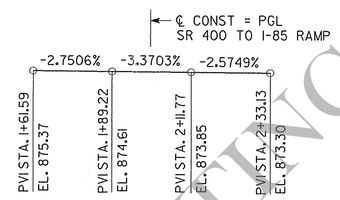
EXISTING GRADE DATA
SIDNEY MARCUS BLVD. EB



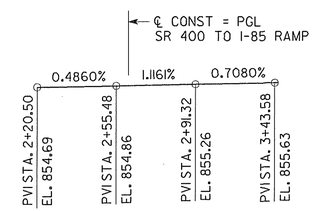
EXISTING GRADE DATA
SIDNEY MARCUS BLVD. WB



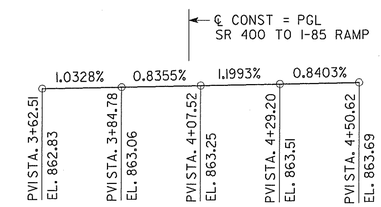
SUPERELEVATION DATA
SR 400 TO I-85 RAMP



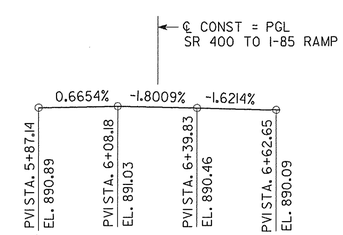
EXISTING GRADE DATA
SR 400 NB



EXISTING GRADE DATA
I-85 NB



EXISTING GRADE DATA
SR 400 SB



EXISTING GRADE DATA
I-85 SB TO SR 13 SB RAMP

P.I. NO. 762380

BRIDGE NO. 4

THEORETICAL SCOUR DEPTHS (FT)						
	100-YEAR STORM			500-YEAR STORM		
BENT LOCATION	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
14	0	0	0	0	0	0
15	0	2.7	2.7	0	3.2	3.2
16	0	3.0	3.0	0	3.4	3.4
17	0	4.9	4.9	0	5.4	5.4
18	0	4.0	4.0	0	4.6	4.6
19	0	4.1	4.1	0	4.6	4.6
20	0	4.0	4.0	0	4.5	4.5
21	0	4.0	4.0	0	4.5	4.5

CONTING PLANS

HNTB
3715 NORTHSIDE PARKWAY
400 NORTHCREEK, SUITE 600
ATLANTA, GEORGIA 30327

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

REVISIONS | DATE | BY

GENERAL NOTES AND DATA
SR 400 SOUTHBOUND TO I-85 NORTHBOUND FLYOVER
SR 400/I-85 CONNECTOR RAMPS
FULTON COUNTY NH000-0085-02(153)

DRAWING NO. 35-09
BRIDGE SHEET 4 OF 4

SCALE: NONE AUGUST 2009

DESIGNED MRMK | CHECKED LDP | REVIEWED
DRAWN JTC | DESIGN GROUP | APPROVED PVL