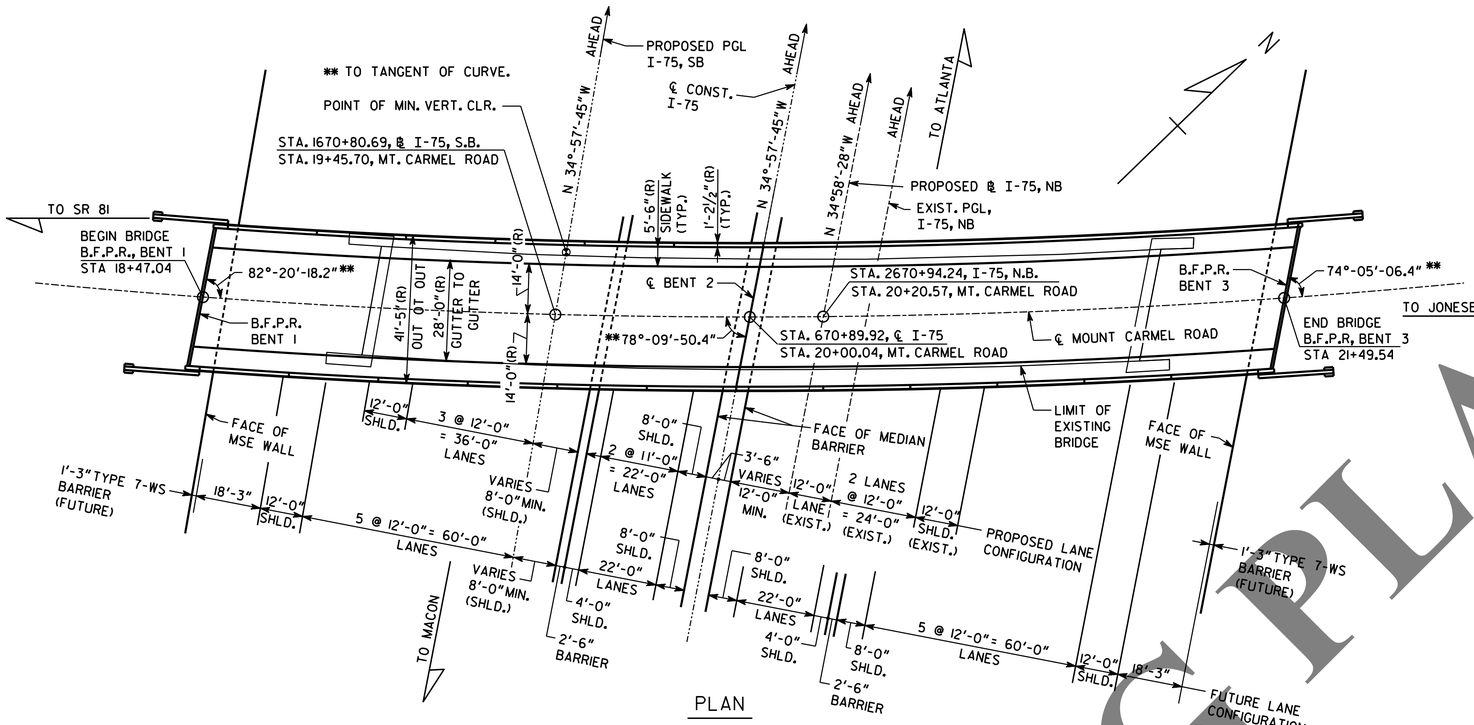
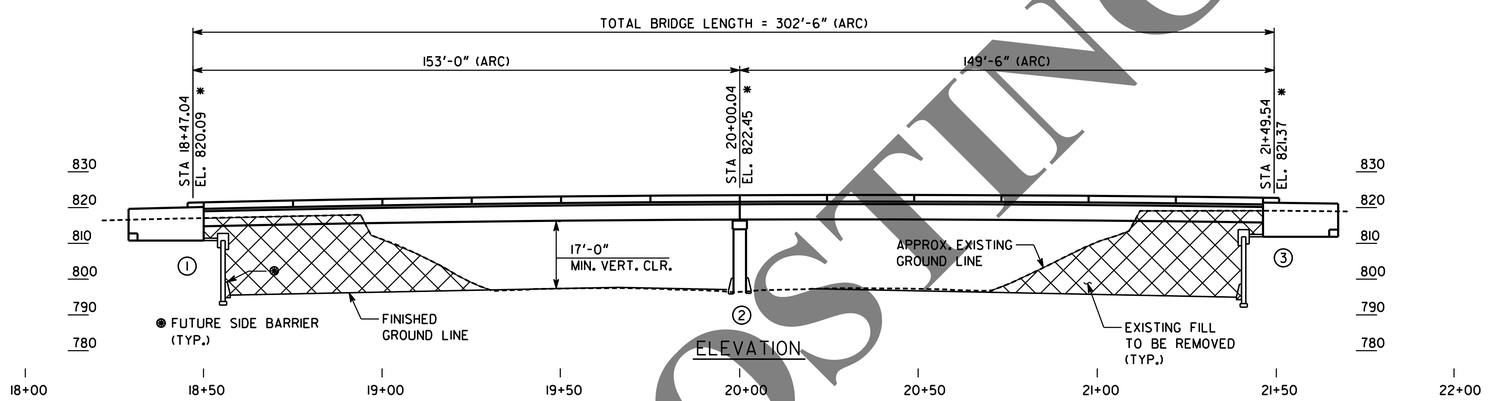
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSNHS-0009-00(156)	700	704



PLAN



ELEVATION

GRADE DATA - I-75		
STATION	ELEVATION (PROPOSED S.B. PGL)	ELEVATION (EXISTING N.B. PGL)
669+00	797.62	797.76
669+50	797.56	797.76
670+00	797.45	797.78
670+50	797.33	797.65
671+00	797.22	797.44
671+50	797.03	797.25
672+00	796.76	796.00
672+50	796.48	796.76

NOTES:

1. ALL BENTS ARE PARALLEL TO ℄ I-75.
2. * STATIONS ARE ALONG ℄ MT. CARMEL ROAD. ELEVATIONS ARE PROFILE GRADE ELEVATIONS.
3. PROPOSED BRIDGE DECK IS TO BE BUILT ON 3.80% CROSS SLOPE, SLOPING DOWN TO THE LEFT.

BRIDGE CONSISTS OF

1 - 153'-0" BULB TEE, 74 IN PSC BEAM SPAN ---------- SPECIAL DESIGN
1 - 149'-6" BULB TEE, 74 IN PSC BEAM SPAN ---------- SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
1 - CONCRETE INTERMEDIATE BENT ---------- SPECIAL DESIGN

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD, 5TH EDITION, 2010
TYPICAL HL-93 LOADING ---------- IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

TRAFFIC DATA

TRAFFIC ---------- ADT = 4,520 (2015)
ADT = 7,900 (2035)
DESIGN SPEED ---------- 45 MPH
TRUCKS ---------- 6 %
DIRECTIONAL ---------- 51/49 %

UTILITIES

NO UTILITIES ON BRIDGE.

CURVE 50

P.I. STA. = 21+39.64
P.I. N 1255662.21
E 2285485.20
Δ = 24°-20'-19.8", LT.
D = 02°-43'-42.1"
T = 452.86 FT.
L = 892.06 FT.
R = 2100.00 FT.
E = 48.27 FT.
S.E. = 3.80%
P.C. STA. = 16+86.77
P.T. STA. = 25+78.84

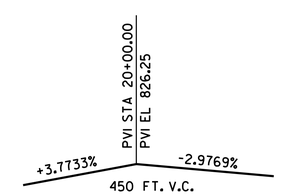
BENCH MARK - CP#10

1" REBAR SET 12'± OFF EP BEHIND GUARDRAIL
STA. 670+57.71, I-75
OFFSET = 76.81 FT., RT.
ELEV. 797.72
NORTHING: 1255612.91
EASTING: 2285440.60

BENCH MARK - CP#11

1" REBAR SET 4'± OFF EP
STA. 692+20.48, I-75
OFFSET = 51.87 FT., RT.
ELEV. 783.23
NORTHING: 1257393.42
EASTING: 2284224.09

MOUNT CARMEL ROAD



PROPOSED VERTICAL GRADE DATA
MOUNT CARMEL ROAD

EXISTING BRIDGE SERIAL NO. 151-0024-0
EXISTING BRIDGE I.D. NO. 151-00199X-003.25W
PROJECT P.I. NO. 0009156

BRIDGE NO. 1

PARSONS
3577 PARKWAY LANE, SUITE 100
NORCROSS, GA 30092

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

PRELIMINARY LAYOUT
CR 199 (MT. CARMEL ROAD) OVER I-75
HENRY COUNTY CSNHS-0009-00(156)

SCALE: 1" = 20' FEBRUARY 2013

DRAWING NO. 35-001
BRIDGE SHEET 1 OF 1

REVISIONS | DATE | BY

DESIGNED JCO | CHECKED TED | REVIEWED DLC/WMD
DRAWN RTK | DESIGN GROUP DDF | APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE

COSTING PLANS

H:\646601 I-75 HOV\11 I-75 PACKAGE 2\99 DESIGN\04 Structures\Preliminary\9156 Bridge 1\Mt-Carmel_Prelim.dgn
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2/21/2013