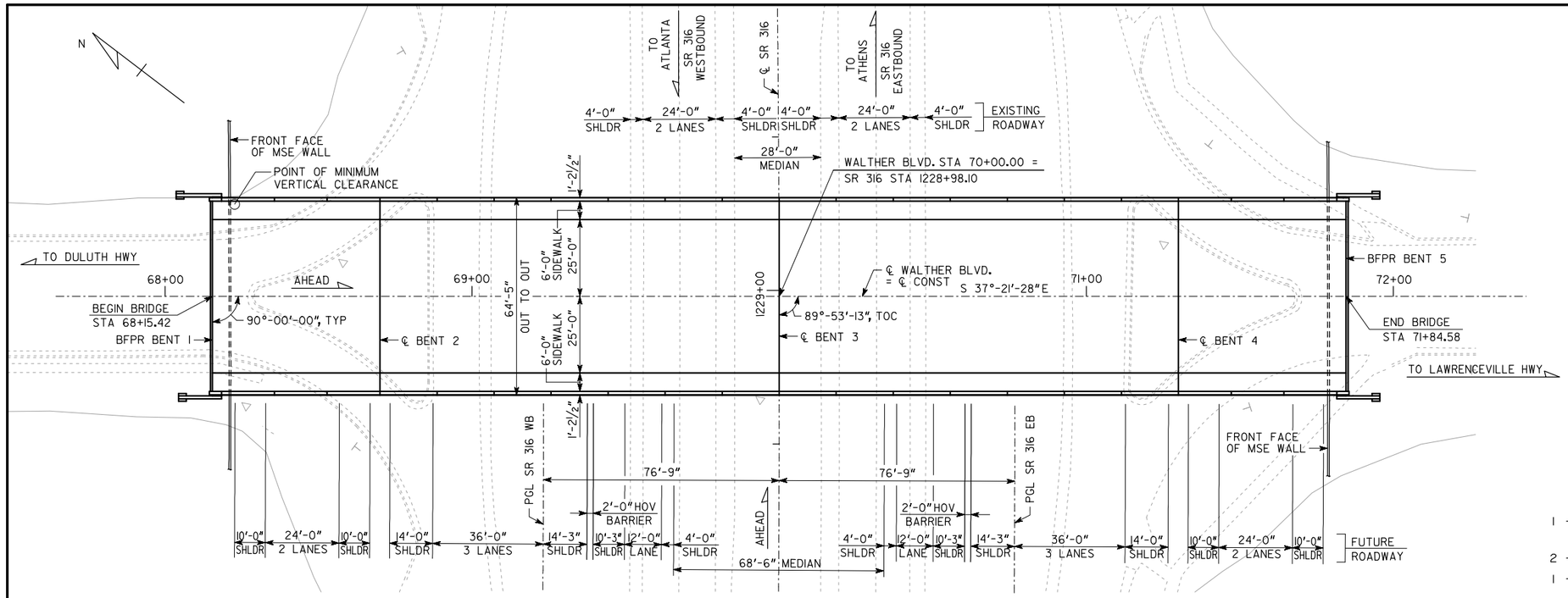
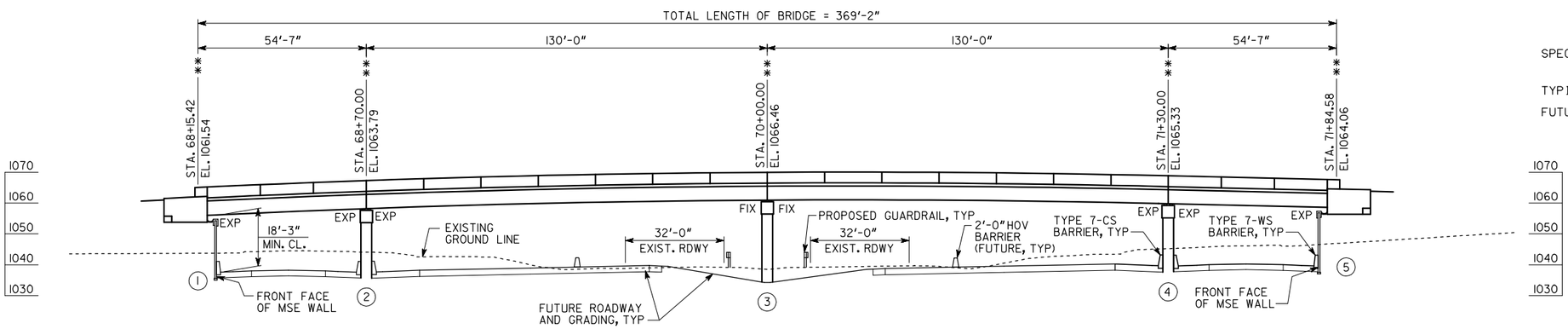
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	P.I. NO. 0010425		

FOR INFORMATION ONLY



PLAN



ELEVATION

STA. 1231+00.00
EL. 1042.00
+0.8727%
-1.9286%
800 FT. V.C.

VERTICAL CURVE DATA
(SR 316 EB - FUTURE BUILD-OUT)

STA. 1231+00.00
EL. 1041.00
+0.6909%
-1.8501%
800 FT. V.C.

VERTICAL CURVE DATA
(SR 316 WB - FUTURE BUILD-OUT)

STA. 69+00.00
EL. 1070.68
+8.0000%
-2.3257%
460 FT. V.C.

VERTICAL CURVE DATA
(WALTHER BLVD.)

HORIZONTAL CURVE DATA
(SR 316)

PI STA. 1230+58.77
△ = 4°00'00" LT
D= 0°30'00"
T= 400.16 FT.
L= 800.00 FT.
R= 11459.15 FT.

BRIDGE CONSISTS OF

1 - 54'-7 TYPE II PSC BEAM SPANS
WITH BULB TEE, 54 IN, PSC FASCIA BEAMS - SPECIAL DESIGN
2 - 130'-0" BULB TEE, 54 IN, PSC BEAM SPANS ----- SPECIAL DESIGN
1 - 54'-7 TYPE II PSC BEAM SPANS
WITH BULB TEE, 54 IN, PSC FASCIA BEAMS - SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
3 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 5TH EDITION, 2010
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 1)
TYPICAL HL-93 LOADING ---------- IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

TRAFFIC DATA

TRAFFIC ---------- ADT = 6,800 (2016)
ADT = 8,400 (2036)
DESIGN SPEED ---------- 35 MPH
TRUCKS ---------- 4%
24 HR TRUCKS ---------- 3%
DIRECTIONAL ---------- 54%

UTILITIES

NO UTILITIES ON BRIDGE

BERM ELEVATIONS	
BENT	ELEVATION
1 LT	1053.43
1 RT	1053.43
5 LT	1055.91
5 RT	1055.91

NOTES:

** STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND BFPR OR ℄ BENT

END BENT PILES NOT SHOWN.

PROPOSED BRIDGE IS TO BE BUILT ON A NORMAL CROWN OF 2%.

FENCE NOT SHOWN.

ROAD TO REMAIN OPEN DURING CONSTRUCTION. SEE ROADWAY PLANS FOR TRAFFIC DETOUR.

ALL BENTS ARE PARALLEL TO BFPR BENT 1.

BENCH MARK

BM 216
½" REBAR SET 2" BELOW SURFACE. LOCATED IN MEDIAN 300 FT. EAST OF INTERSECTION OF WALTHER BOULEVARD AND SR 316 EAST, AND 27.6' NORTHWEST OF EDGE OF SR 316 EB.
STA. 69+87.27, 299.70' LT.
ELEV. 1037.38

BRIDGE NO. 1

ATKINS

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

PRELIMINARY PLAN AND ELEVATION
WALTHER BLVD. OVER SR 316
GWINNETT COUNTY P.I. NO. 0010425

DATE | REVISIONS | BY

DRAWING NO. 35-001
BRIDGE SHEET 1 OF 1

SCALE: 1" = 20'-0" FEBRUARY 2014

DESIGNED AOC | CHECKED DRB | REVIEWED WMD/DLC
DRAWN AOC | DESIGN GROUP X | APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE

2/18/2014
L:\s0003320 (GDOT Walther Blvd over SR 316)\New Prelim\ppe.dgn