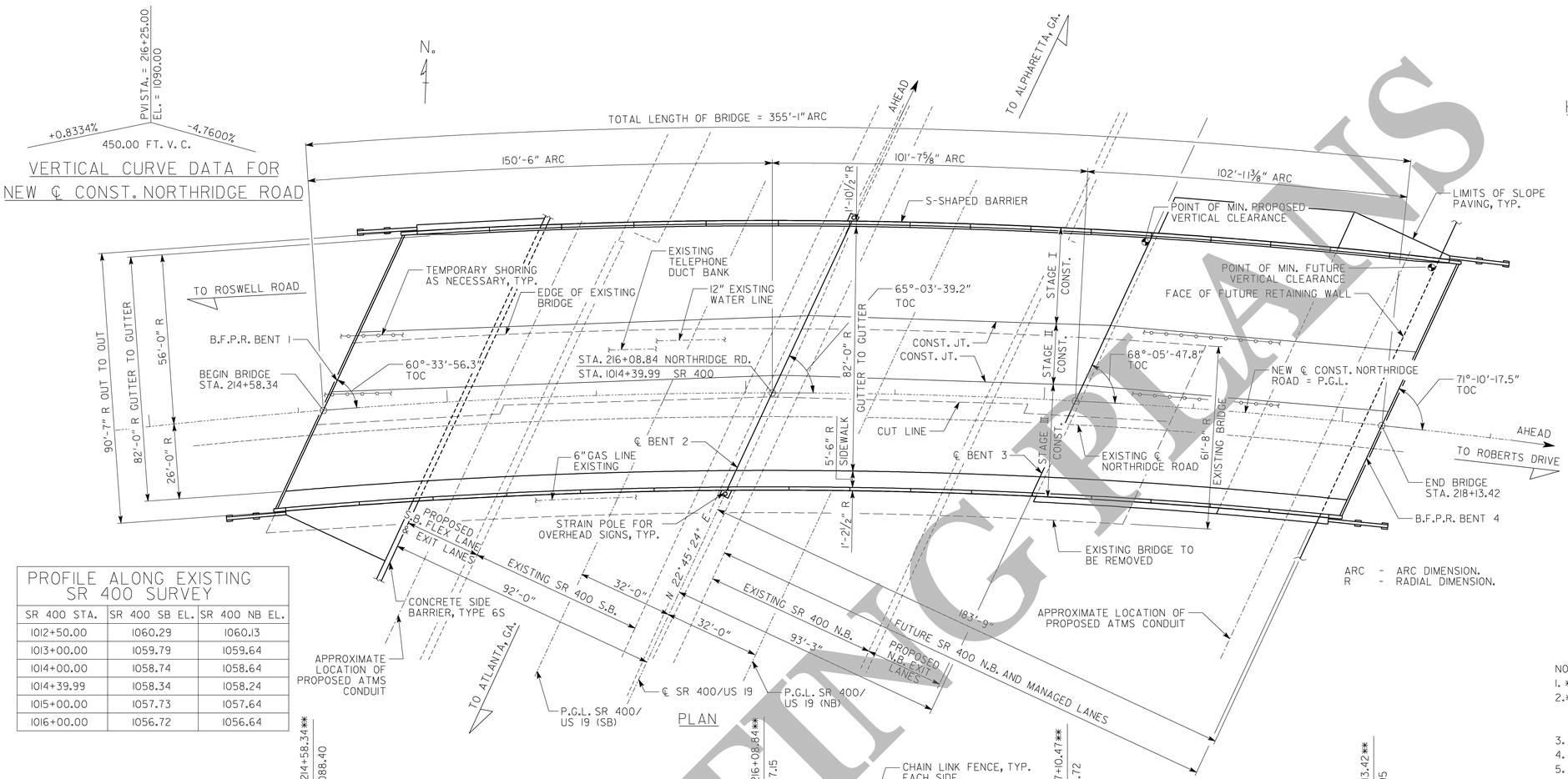
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS00-0056-01(061)	112	115



P.I. STA = 216+68.60
Δ = 16°-45'-32.8" (RT.)
D = 2°-59'-12.8"
T = 282.56 FT.
L = 561.09 FT.
R = 1918.24 FT.

HORIZONTAL CURVE DATA - NEW ℄ NORTHRIDGE ROAD

ARC - ARC DIMENSION.
R - RADIAL DIMENSION.

BRIDGE CONSISTS OF

- 1 - 150'-6" BULB TEE, 74 IN, PSC BEAM SPAN ..... SPECIAL DESIGN
- 1 - 101'-7⅝" BULB TEE, 54 IN, PSC BEAM SPAN WITH BULB TEE, 74 IN, PSC FASCIA BEAMS ..... SPECIAL DESIGN
- 1 - 102'-11⅜" BULB TEE, 54 IN, PSC BEAM SPAN WITH BULB TEE, 74 IN, PSC FASCIA BEAMS ..... SPECIAL DESIGN
- 2 - PILE END BENTS ..... SPECIAL DESIGN
- 2 - CONCRETE INTERMEDIATE BENTS ..... SPECIAL DESIGN
- 4" CONCRETE SLOPE PAVING
- CHAIN LINK WIRE PEDESTRIAN FENCE

DESIGN DATA

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

BENCHMARK

BENCHMARK IS A #8 REBAR LOCATED 97.70 FT. RIGHT OF STATION 1017+73.49 ON THE GA 400 ALIGNMENT, ELEVATION = 1058.003 N 1448933.012, E 2243726.684

TRAFFIC DATA

TRAFFIC ..... ADT = 31,025 (2014)
ADT = 34,250 (2034)
DESIGN SPEED ..... 35 MPH
TRUCKS 3%
24 HR TRUCKS 6%
DIRECTIONAL DISTRIBUTION 55%

EXISTING UTILITIES

WATER, 12", ON LEFT SIDE OF EXISTING BRIDGE
GAS, 6", ON RIGHT SIDE OF EXISTING BRIDGE
TELEPHONE DUCT BANK, ON LEFT SIDE OF EXISTING BRIDGE

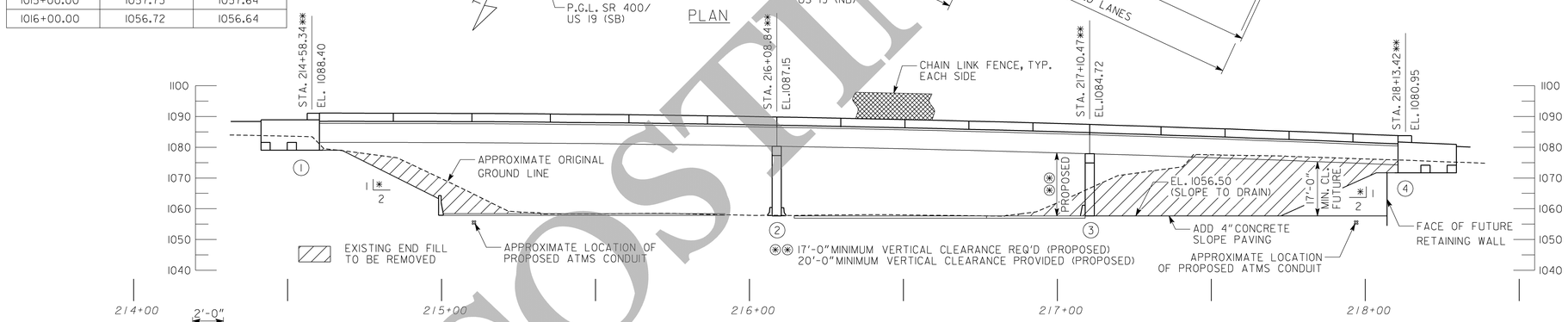
NOTES:

1. ✱ SLOPE NORMAL TO END BENT.
2. ✱✱ STATIONS AND ELEVATIONS FOR THE BRIDGE ARE ALONG PROFILE GRADE LINE AT INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR ℄ BENTS.
3. END BENT PILES NOT SHOWN.
4. ALL BENTS ARE PARALLEL TO S.R. 400.
5. ANGLES ARE MEASURED TANGENT TO NEW ℄ CONST. NORTHRIDGE ROAD.
6. LIGHT POLE BASE AT DECK LEVEL BEHIND BARRIER OR PARAPET NOT SHOWN. SEE SPECIAL PROVISION SECTION 999 FOR LIGHTING AND POLE BASE REQUIREMENTS.

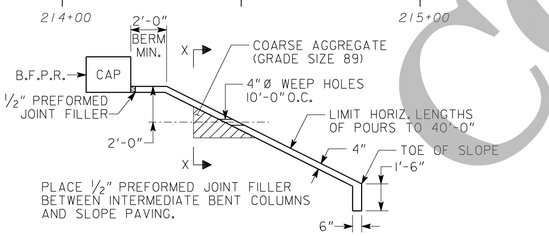
EXISTING BRIDGE SERIAL NO. 121-0270-0
EXISTING BRIDGE I.D. NO. 121-09260M-005.23N
PROJECT P.I. NO. 751580
BRIDGE NO. 1

PROFILE ALONG EXISTING SR 400 SURVEY

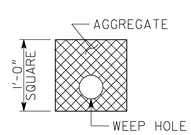
SR 400 STA.	SR 400 SB EL.	SR 400 NB EL.
1012+50.00	1060.29	1060.13
1013+00.00	1059.79	1059.64
1014+00.00	1058.74	1058.64
1014+39.99	1058.34	1058.24
1015+00.00	1057.73	1057.64
1016+00.00	1056.72	1056.64



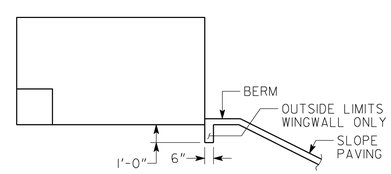
ELEVATION



SLOPE PAVING DETAIL



SECTION X-X



SLOPE PAVING DETAIL AT WINGS

BERM ELEVATION ⊛	
LOCATION	ELEVATION
BENT 1 LT	1077.18
BENT 1 RT	1077.62
BENT 4 LT	1068.94
BENT 4 RT	1070.70

⊛ NOTE: FOR BRIDGE ENDROLL STAKING PURPOSES ONLY

GEORGIA REGISTERED LICENSE NO. 31339 PROFESSIONAL ENGINEER DAVID L. STRICKLIN, JR. 9.26.12

COSTING PLANS

Kimley-Horn and Associates, Inc.
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NORCROSS, GA 30092-2865

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

PRELIMINARY LAYOUT
CR 145 (NORTHRIDGE ROAD)
OVER SR 400 (US 19)

FULTON COUNTY NH000-0056-01(061)

BY	REVISIONS	DATE
DLS	COSTING PLAN REVISIONS	9/2012

DRAWING NO. 35 - 001
BRIDGE SHEET 1 OF 4

SCALE: 1" = 20'-0" SEPTEMBER 2012

DESIGNED AEL CHECKED DLS REVIEWED WMD
DRAWN KAG DESIGN GROUP IAB APPROVED BFR