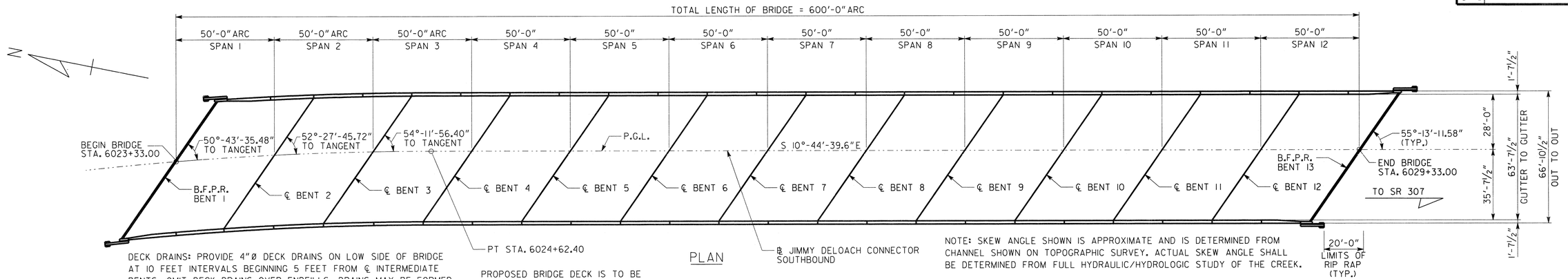
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSMSL-0008-00(690)		



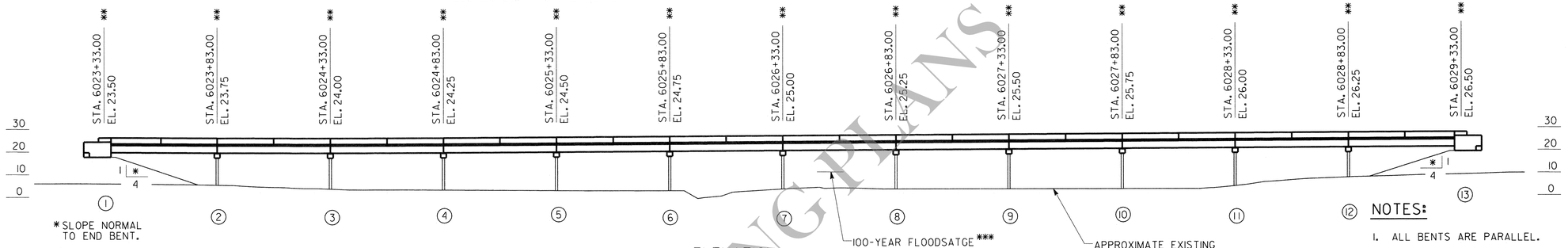
PLAN

DECK DRAINS: PROVIDE 4"Ø DECK DRAINS ON LOW SIDE OF BRIDGE AT 10 FEET INTERVALS BEGINNING 5 FEET FROM ℄ INTERMEDIATE BENTS. OMIT DECK DRAINS OVER ENDFILLS. DRAINS MAY BE FORMED.

PROPOSED BRIDGE DECK IS TO BE BUILT ON VARIABLE CROSS SLOPE, SLOPING DOWN TO THE RIGHT.

NOTE: SKEW ANGLE SHOWN IS APPROXIMATE AND IS DETERMINED FROM CHANNEL SHOWN ON TOPOGRAPHIC SURVEY. ACTUAL SKEW ANGLE SHALL BE DETERMINED FROM FULL HYDRAULIC/HYDROLOGIC STUDY OF THE CREEK.

SUPERELEVATION TRANSITION	
6015+40.00	5.4%
6024+18.99	5.4%
6025+00.98	2.0%



*SLOPE NORMAL TO END BENT.

ELEVATION

BRIDGE CONSISTS OF

12 - 50'-0" TYPE II PSC BEAM SPANS ---------- SPECIAL DESIGN

2 - PSC PILE END BENTS ---------- SPECIAL DESIGN

11 - PSC PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
(L = 4'-6"; W = 1'-1"; H = 2'-8")
(L = 6'-6"; W = 1'-1"; H = 2'-8")

SQUARE PRESTRESSED CONCRETE PILES ---------- GA. STD. 3215 (2-22-84)

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

DRAINAGE DATA

DRAINAGE AREA ---------- 16.43 SQ MILES

TRAFFIC DATA

TRAFFIC ---------- ADT = 9,630 (2012)
ADT = 13,760 (2032)

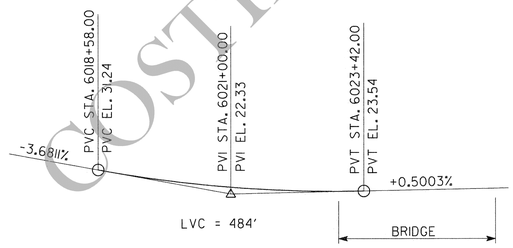
DESIGN SPEED ---------- 55 MPH

TRUCKS ---------- 55 %

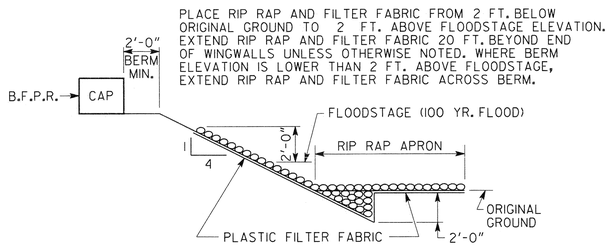
DIRECTIONAL ---------- 100 %

UTILITIES

NONE



PROPOSED GRADE DATA
JIMMY DELOACH CONNECTOR SOUTHBOUND



RIP RAP DETAIL

CURVE 61

P.I. STA. = 6019+58.07
P.I. N 787816.07
E 962119.91
Δ = 36°-17'-20.3", RT.
D = 03°-28'-20.9"
T = 540.71FT.
L = 1045.04 FT.
R = 1650.00 FT.
E = 86.34 FT.
S.E. = 5.4%
P.C.C. STA. = 6014+17.36
P.T. STA. = 6024+62.40

HORIZONTAL CURVE DATA
JIMMY DELOACH CONNECTOR SOUTHBOUND

TOP OF BERM ELEVATIONS ⊛		
LOCATION	LEFT	RIGHT
BENT 1	16.91	13.48
BENT 13	19.10	15.41

⊛ FOR BRIDGE END ROLL STAKING PURPOSES ONLY

⑫ NOTES:

1. ALL BENTS ARE PARALLEL.
** 2. STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF P.G.L. AND B.F.P.R. OR ℄ BENT.
3. END BENT PILES NOT SHOWN.
4. PROPOSED MINIMUM BOTTOM OF BEAM ELEVATION FOR PROPOSED BRIDGE SHALL BE ELEVATION 17.50.
*** 5. OBTAINED FROM FEMA FIRM MAP NUMBER 13051C0045F, SEPTEMBER 26, 2008. FULL HYDROLOGICAL/HYDRAULIC STUDY OF THIS CREEK IS REQUIRED AT NO ADDITIONAL COST TO THE DEPARTMENT.
6. PROPOSED BRIDGE IS TO SPAN LIMITS OF WETLAND. ENCROACHMENT INTO WETLAND WILL REQUIRE ADDITIONAL PERMITTING AT NO COST TO THE DEPARTMENT.

PROJECT P.I. NO. 0008690

BRIDGE 5

COSTING PLANS

PARSONS
3577 PARKWAY LANE, SUITE 100
NORCROSS, GA 30092

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

PRELIMINARY LAYOUT
JIMMY DELOACH CONNECTOR S.B.
OVER WETLANDS
CHATHAM COUNTY CSMSL-0008-00(690)

BY	REVISIONS	DATE
JCO	REVISED NOTE	06/27/11

DRAWING NO. 35-05
BRIDGE SHEET 1 OF 1

SCALE: 1" = 25' JUNE 2011

DESIGNED JCO CHECKED JSV REVIEWED
DRAWN EPR DESIGN GROUP APPROVED

1 INCH WHEN PRINTED FULL SIZE

X.DGN