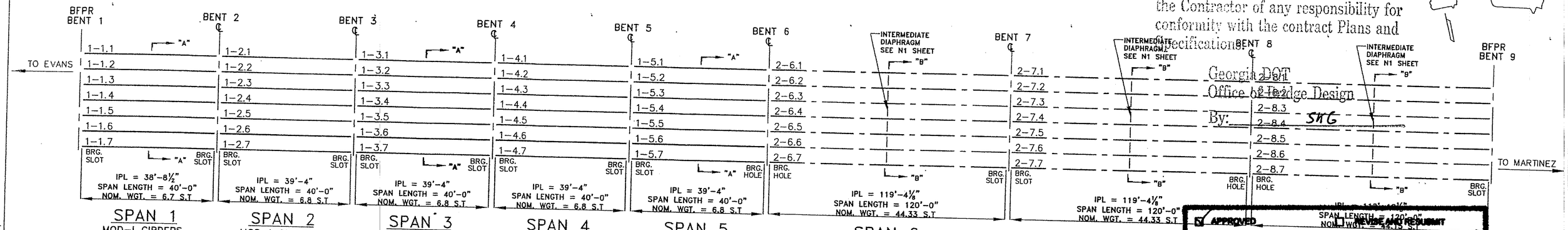
STATE	PROJECT NUMBER	SHEET No.	TOTAL SHEETS
GA	SPT00-7073-00(001)	2A	21

DATE: 25-Nov-2013

Approved in general. Details not checked. This approval shall not relieve the Contractor of any responsibility for conformity with the contract Plans and Specifications.

Georgia DOT
Office of Bridge Design
By: SMG

ENGLISH



FRAMING PLAN

1-1.1
- BEAM LOCATION (BEAM No. 1) (i.e. 1st beam from left, looking up sta.)
- BRIDGE SPAN No. 1
- PIECE DETAIL OF BEAM (similar beams will have same piece details)

BEAM MARKING SYSTEM

GENERAL NOTES:

1. ALL PSC BRIDGE MEMBERS ARE MANUFACTURED IN ACCORDANCE WITH GA DOT STANDARD SPECIFICATION SECTION 865.
2. GIRDERS SHALL BE MAINTAINED IN AN UPRIGHT POSITION @ ALL TIMES.
3. CHAMFER EDGES OF GIRDERS ¾".
4. TOPS OF BEAMS TO BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼" . CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.

5a. PLACE LIFTING DEVICES AT 3'-0" MAX. FROM EA. END OF THE MOD I's. EMBED LIFTING DEVICES 24" INTO THE MOD I's. USE MIN. 2 Ea. ½" ø STRAND IN EACH LIFT LOOP FOR THE MOD I's.

5b. PLACE LIFTING DEVICES AT 6'-0" MAX. FROM EA. END OF THE BT-63's. EMBED LIFTING DEVICES 59" INTO THE BT-63's. USE MIN. 5 Ea. ½" ø STRAND IN EACH LIFT LOOP FOR THE BT-63's.

6. COVER EXPOSED PRESTRESSED STRAND & THE ENTIRE END OF GIRDER WITH ⅛" OF EPOXY MORTAR.

7a. CONCRETE SHALL BE A MINIMUM OF 5,000 PSI BEFORE PRESTRESSED STRANDS ARE RELEASED
8a. CONCRTE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 6,000 PSI
9a. ALL GIRDERS PRESTRESSED STRANDS TO BE ½" ø SPECIAL LOW LAX (Area = .167 in²), AND CONFORM TO ASTM A-416-GRADE 270. } MOD I's

7b. CONCRETE SHALL BE A MINIMUM OF 7,600 PSI BEFORE PRESTRESSED STRANDS ARE RELEASED
8b. CONCRTE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 8,200 PSI
9b. ALL GIRDERS PRESTRESSED STRANDS TO BE .60" ø REGULAR LOW LAX (Area = .217 in²), AND CONFORM TO ASTM A-416-GRADE 270. } BT-63's

10. ALL REINFORCING STEEL TO BE GRADE 60 MATERIAL A615.
11a. BOTTOM ENDS OF MOD I GIRDERS MAY BE FORMED USING UP TO A ¾" CHAMFER.
11b. BOTTOM ENDS OF BT-63 GIRDERS MAY BE FORMED USING UP TO A 1" CHAMFER.
12. OPEN HOLES MAY BE FORMED WITH A TAPERED PIN OR PVC SLEEVE.
13. INSERTS OR HOLES MAY BE SHIFTED VERTICALLY SLIGHTLY TO AVOID CONFLICTS WITH PRESTRESSING STEEL.

LEGEND

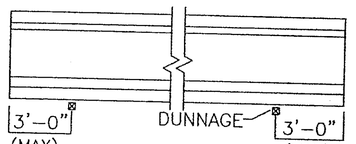
——— MOD I's
— — — — BT-63's

TOLERANCES:

A. LENGTH: ±¾"
B. WIDTH (FLANGES AND FILLETS): +⅜", -¼"
C. DEPTH (OVER-ALL): +½", -¼"
D. WIDTH (WEB): +⅜", -¼"
E. DEPTH (FLANGES AND FILLETS): ±¼"
F. BEARING PLATES (CENTER TO CENTER): ±½"
G. HORIZONTAL ALIGNMENT (deviation from straight line parallel to centerline of member)
   - ½" UP TO 40' LENGTHS
   - ¾" 40' TO 60' LENGTHS
   - 1" 60' TO 100' LENGTHS
   - 1½" GREATER THAN 100' LENGTHS
H. CAMBER DEVIATION FROM DESIGN CAMBER: ±⅛" PER 10'
I. STIRRUP BARS (PROJECTION ABOVE TOP OF BEAM): +¼", -¾"
J. TENDON POSITION: ±¼" C.G. OF STRAND GROUP & INDIVIDUAL TENDONS.
K. POSITION OF DEFLECTION PTS. FOR DEFLECTED STRAND: ±6"
L. POSITION OF HANDLING DEVICES: ±6"
M. BEARING PLATES (CENTER TO END OF BEAM): ±¼"
N. TIE ROD HOLES (CENTER TO CENTER & CENTER TO END): ±1"
O. EXPOSED BEAM ENDS (DEVIATION FROM SQUARE OR DESIGNATED SKEW)
   - HORIZONTAL: ±¼" PER Ft. OF BEAM WIDTH
   - VERTICAL: ±⅛" PER Ft. OF BEAM DEPTH
P. BEAM SEAT BEARING AREA (variation from plane surface when tested with a straightedge): ±⅛"
Q. BEARING AREA DEVIATION FROM PLANE: ±⅛"
R. STIRRUP BARS (LONGITUDINAL SPACING): ±1"
S. POSITION OF POST-TENSIONING DUCT: ±¼"
T. POSITION OF WELD PLATES: ±1"
U. DOWEL TUBES (spacing between the centers of tubes and from the center of the tubes to the ends and sides of members): ±½"

DRAWING NO. 35-002A
BRIDGE SHEET 2A OF 21

DIMENSION UNIT IS Inches U.N.O.

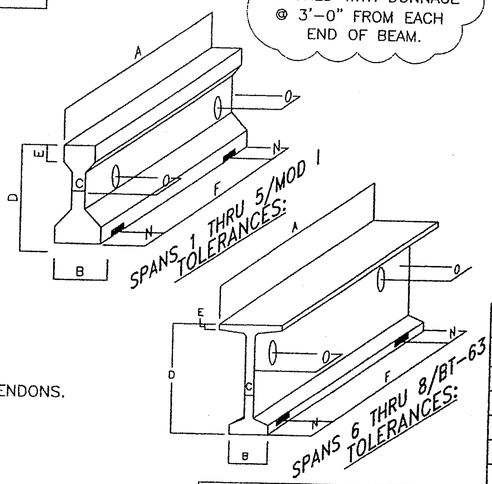


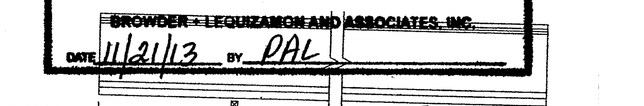
ELEVATION VIEW

SHIPPING DETAILS MOD I's

1. NO LOOSE HARDWARE

ALL GIRDERS WILL BE STORED WITH DUNNAGE @ 3'-0" FROM EACH END OF BEAM.

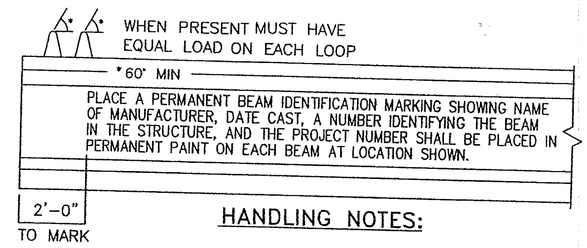




ELEVATION VIEW

SHIPPING DETAILS BT-63

1. NO LOOSE HARDWARE



HANDLING NOTES:

☑ APPROVED ☐ REVISE AND RESUBMIT

SHOP DRAWING CORRECTIONS OR COMMENTS MADE DURING REVIEW DO NOT RELIEVE THE CONTRACTOR OF COMPLIANCE WITH DRAWING AND SPECIFICATION REQUIREMENTS. THIS CHECK ONLY REVIEWS GENERAL CONFORMITY WITH THE PROJECT DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR'S PERFORMANCE DUTIES ARE STATED IN THE CONTRACT DOCUMENTS, AND ARE NOT MODIFIED BY THIS REVIEW OR COMMENTS MADE ON THESE SHOP DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND DIMENSIONS, FABRICATION PROCESS SELECTION, CONSTRUCTION TECHNIQUES, AND WORK COORDINATION AND PERFORMANCE OF ALL TRADES.

BROWDER - LEGUIZAMON AND ASSOCIATES, INC.
DATE 11/21/13 BY PAL

11-6-13
GEORGIA REGISTERED NO. 14890 PROFESSIONAL ENGINEER RICHARD C. POTTS

INDEX

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TEL : (912) 233-8263
FAX : (912) 236-4689

REV. No.	DATE	DETAILS
1	11/6/13	ADDED BT-63 DETAILS

SHEET DETAILS: FRAMING PLAN – MOD I & BT-63 BEAMS
CONTR./PROJ. No.: SPT00-7073-00(001)
CONTRACTOR: ROGERS BRIDGE
COUNTY, STATE & PROJECT DETAILS: WILLIAM FEW PARKWAY OVER UCHEE CREEK COLUMBIA CO., GEORGIA
DRAWN BY:
DESIGNED BY: GA DOT / BROWDER & LeGUIZAMON AND ASSOC. / SCP
DATE:
CHECKED BY:
SHEET E1 OF E1
SCALE: NONE
JOB No. A01632 (411,463)