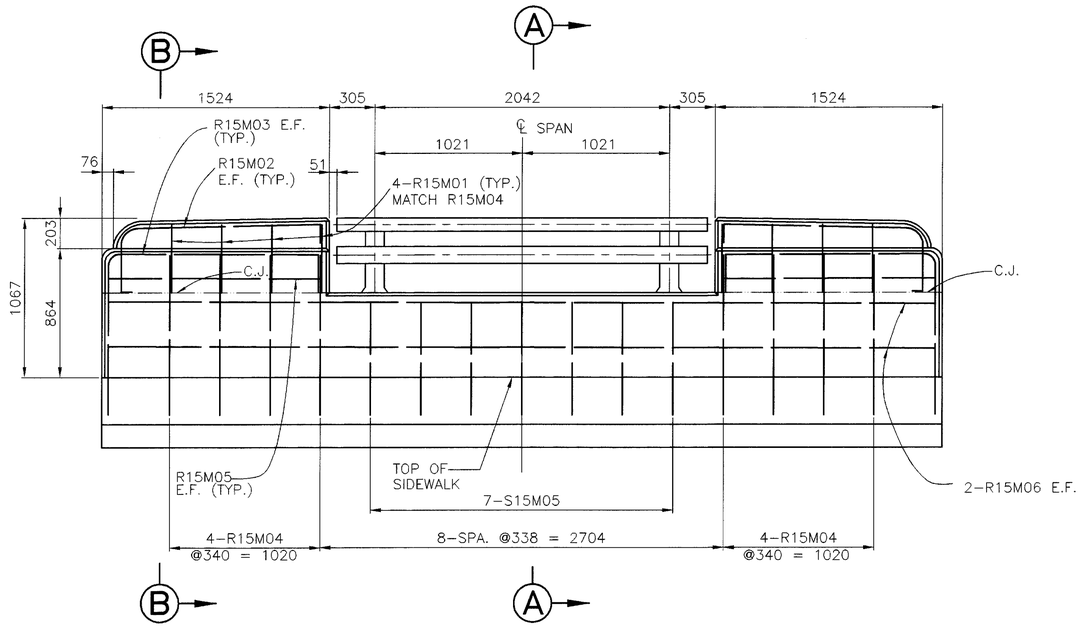
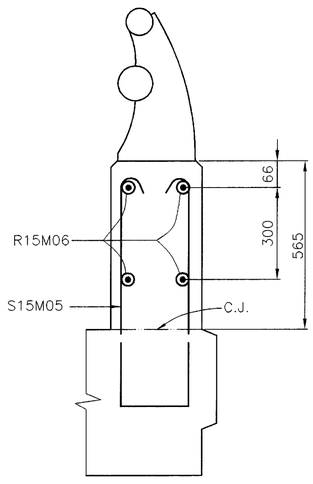
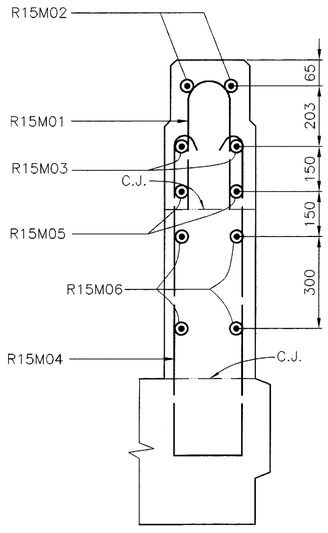


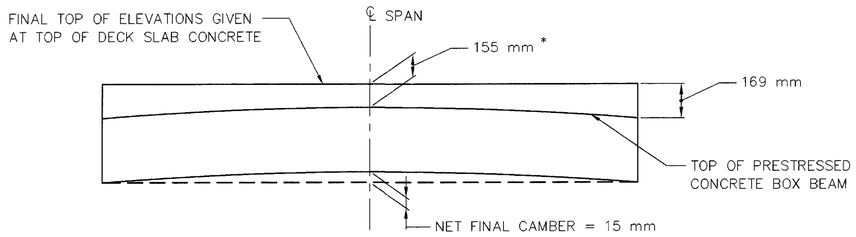
RAILING ELEVATION



SECTION A–A



SECTION B–B



CAMBER DIAGRAM

(NOT TO SCALE)

CAMBER

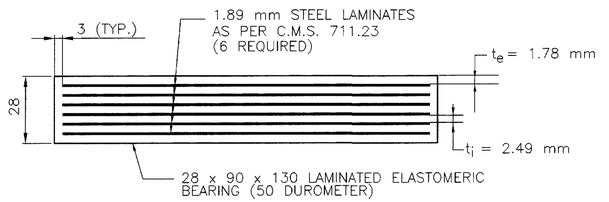
CALCULATED CAMBER AT TIME OF PAVING, INCLUDING ALLOWANCE FOR CAMBER GROWTH DUE TO CREEP, IS 16 mm.

CALCULATED DEFLECTION DUE TO WEIGHT OF CONCRETE DECK SLAB AND RAILING (CURBS, SIDEWALK, PARAPET, ETC.) IS 1 mm.

ADJUSTMENT FOR VERTICAL CURVE IS 1 mm.

NET FINAL CAMBER OF BEAMS IS 15 mm. THIS IS 15 mm IN EXCESS OF THE AMOUNT REQUIRED TO PLACE THE TOP OF THE BEAM PARALLEL TO PROFILE GRADE. THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE CONCRETE DECK SLAB FROM 155 mm AT CENTER OF SPANS TO 170 mm AT ENDS OF SPAN. CONSIDERING ADJUSTMENT FOR VERTICAL CURVE THE FINAL THICKNESS AT THE ENDS OF SPAN IS 169 mm.

* THIS IS NOMINAL DIMENSION. THE PAY QUANTITY OF THAT PORTION OF THE DECK CONCRETE OVER THE BEAMS SHALL BE BASED ON THE AVERAGE OF THIS DIMENSION AND THE DEPTH AT BEAM BEARINGS EVEN THOUGH DEVIATION FROM THIS AVERAGE MAY OCCUR BECAUSE THE TOP OF THE BEAM MAY NOT HAVE THE CAMBER ANTICIPATED IN THE DESIGN; I.E.; 16 mm. THE CAMBER OF BEAMS SHALL BE MEASURED IN THE FIELD BEFORE THE DECK IS PLACED. THE ACTUAL DEPTH AT MID–SPAN SHALL BE THE NOMINAL DIMENSION PLUS OR MINUS THE DIFFERENCE BETWEEN ACTUAL AND ANTICIPATED CAMBER.



LAMINATED ELASTOMERIC BEARING DETAIL

BEARING LIVE LOAD REACTION	=	39.05 kN
BEARING DEAD LOAD REACTION	=	25.77 kN
MAXIMUM DESIGN LOAD	=	64.82 kN

NOTES:

1. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS AND ALL STATIONS AND ELEVATIONS ARE GIVEN IN METERS, UNLESS OTHERWISE INDICATED.
2. ELASTOMERIC BEARINGS SHALL COMPLY WITH 516 AND ARTICLES 18.2.5 THROUGH 18.2.8 OF SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION, OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. BEARINGS SHALL BE GRADE 3, 50–DUROMETER ELASTOMER, AND SHALL BE SUBJECTED TO THE LOAD TESTING REQUIREMENTS CORRESPONDING TO DESIGN METHOD A. TESTING SHALL BE INCLUDED IN THE PRICE BID FOR THE BEARINGS.
3. SEE STD. DWG. BR2–82M FOR MORE RAILING DETAILS.

metric units

DESIGN AGENCY
CENTRAL ENGINEERING, INC.
CONSULTING ENGINEERS STRONGSVILLE, OHIO

DESIGNED	DRAWN	REVIEWED	DATE
DG	DR	RC	8/96
CHECKED	REVISED	STRUCTURE FILE NUMBER	
DR			

RAILING REINFORCEMENT
BRIDGE NO. LAK–528–80971
OVER A TRIBUTARY OF ARCOLA CREEK

LAK–528–8.095

10/12

28
33

528RL