

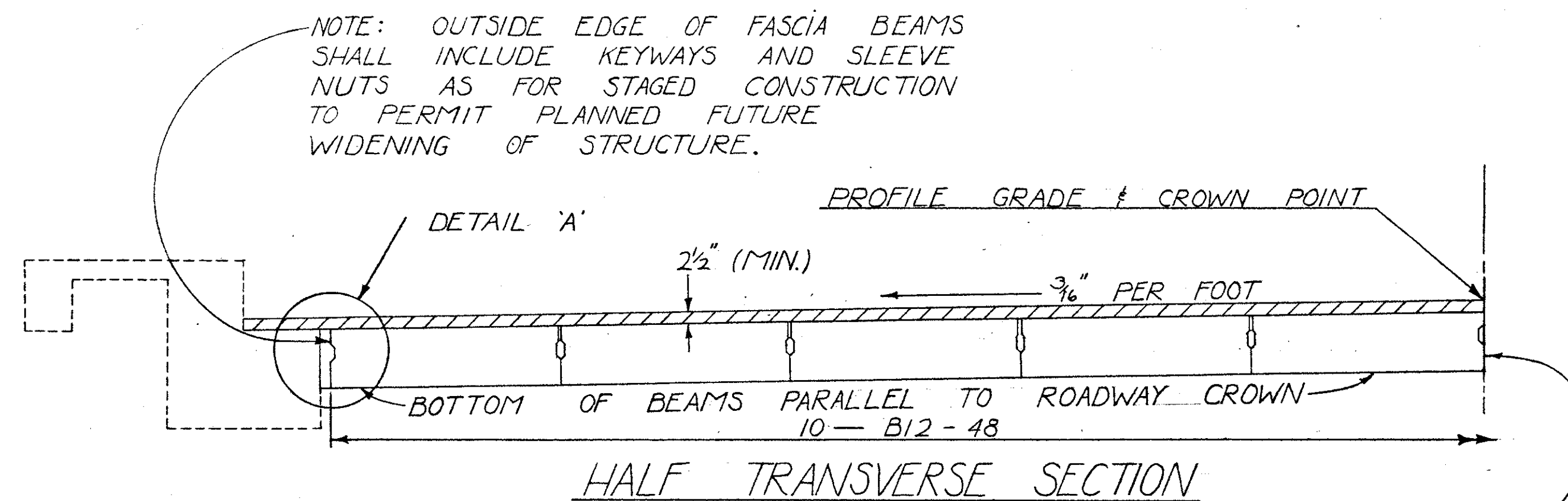
MICROFILMED
JAN 29 1986

FHWA REGION	STATE	PROJECT	
5	OHIO		

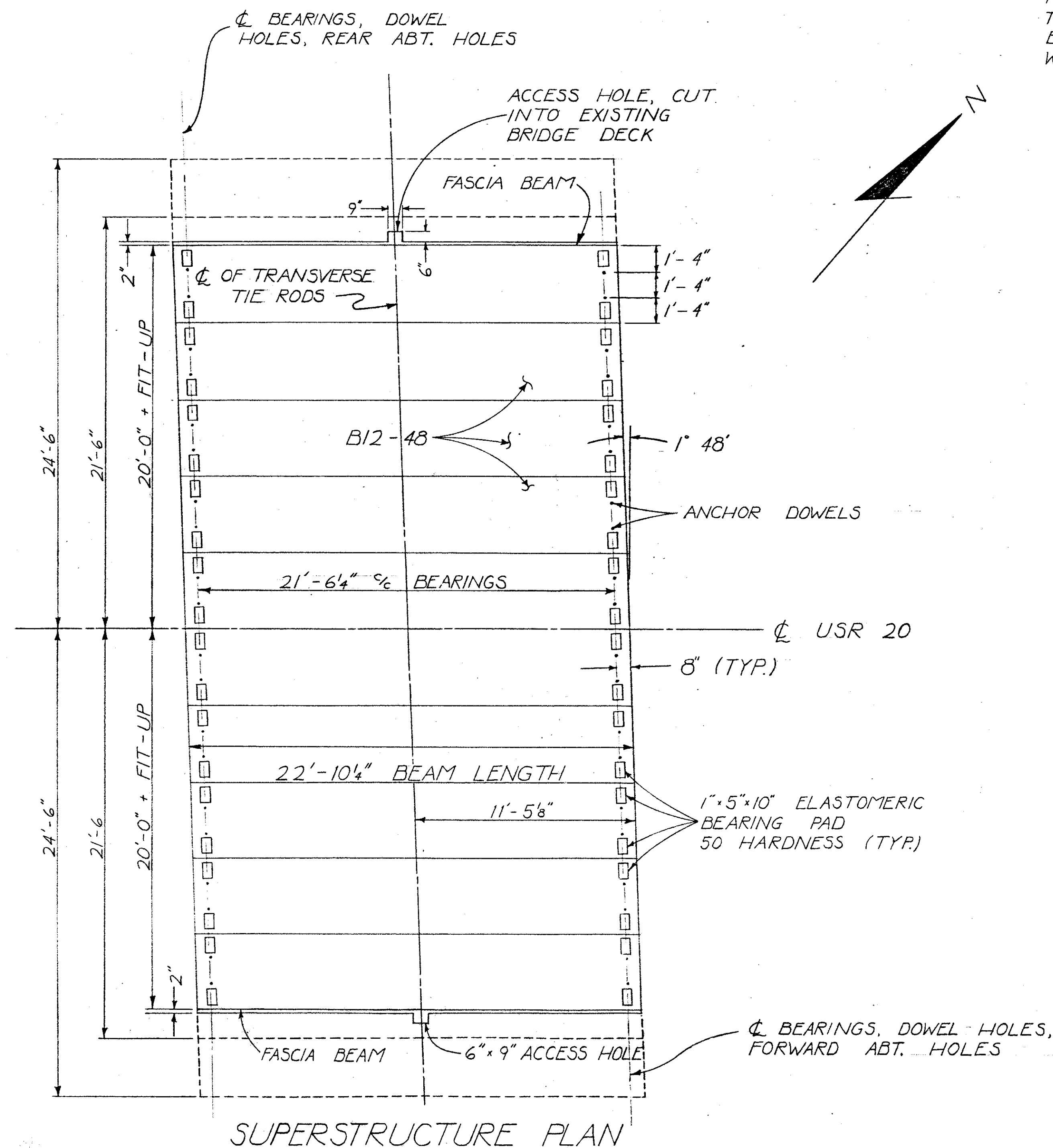
9
10

LAK-20-18.07

PLAN NO. BR-103-82



NOTE: SIDES OF BEAMS AT THE CENTERLINE OF THE BRIDGE SHALL BE VERTICAL WHEN IN PLACE.



CALCULATED CAMBER AT TIME OF PAVING, INCLUDING ALLOWANCE FOR CAMBER GROWTH DUE TO CREEP IS 1.2".
CALCULATED DEFLECTION DUE TO WEIGHT OF SURFACE COURSE IS 0".
NET FINAL CAMBER OF BEAMS IS 1.2". THIS IS 1.2" IN EXCESS OF THE AMOUNT REQUIRED TO PLACE THE TOP OF THE BEAMS PARALLEL TO PROFILE GRADE. THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE 403 LEVELING FROM 1 1/4" AT THE CENTER OF THE SPAN TO 2 1/2" AT THE ENDS.

ASPHALT CONCRETE SURFACE COURSE - SHALL CONSIST OF A VARIABLE THICKNESS OF 403 AND A 1 1/4" THICKNESS OF 404. THE 403 SHALL BE PLACED IN TWO OPERATIONS. THE FIRST COURSE SHALL BE OF 1 1/4" UNIFORM THICKNESS. THE SECOND COURSE SHALL BE FEATHERED TO PLACE THE SURFACE PARALLEL TO AND 1/4" BELOW FINAL PAVEMENT SURFACE ELEVATION.

PRESTRESSED CONCRETE BOX BEAMS -
MINIMUM CONCRETE STRENGTH AT TIME OF INITIAL PRESTRESS, $f'_c = 4000$ PSI
MINIMUM CONCRETE STRENGTH AT 28 DAYS, $f'_c = 5500$ PSI
PRESTRESSING STRANDS SHALL BE ASTM A416 1/2" UNCOATED, SEVEN WIRE STRESS RELIEVED STRAND 270 KSI WITH AN INITIAL TENSION OF 28,900 LBS PER STRAND.

REFER TO PSBD-1-81 FOR THE FOLLOWING DETAILS AND NOTES:
BEAM LIFTING INSERTS
ANCHOR DETAILS
DETAILS AND REINFORCEMENT OF BEAMS AND BEAM ENDS
END DETAILS OF TRANSVERSE TIE ROD ANCHORAGE
BEAM DIMENSIONAL TOLERANCES
TYPICAL PLANS OF DIAPHRAGMS AND TRANSVERSE TIE RODS
REINFORCING BAR BENDING DIAGRAM

SIDES OF BEAMS SHALL NOT BE SLOPED

FABRICATOR'S SHOP DRAWINGS SHALL SHOW COMPLETE DETAILS OF THE BEAM REINFORCING, TRANSVERSE TIE RODS, AND JOINT ALONG THE FASCIA BEAMS FOR STAGE CONSTRUCTION.

STATE OF OHIO							8 / 9
DEPARTMENT OF TRANSPORTATION							
BUREAU OF BRIDGES AND STRUCTURAL DESIGN							
SUPERSTRUCTURE DETAILS							
BRIDGE NO. LAK-20-18.07							
OVER							
F.P. & E. RAILROAD							
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED	
SDT	SDT		ULH				