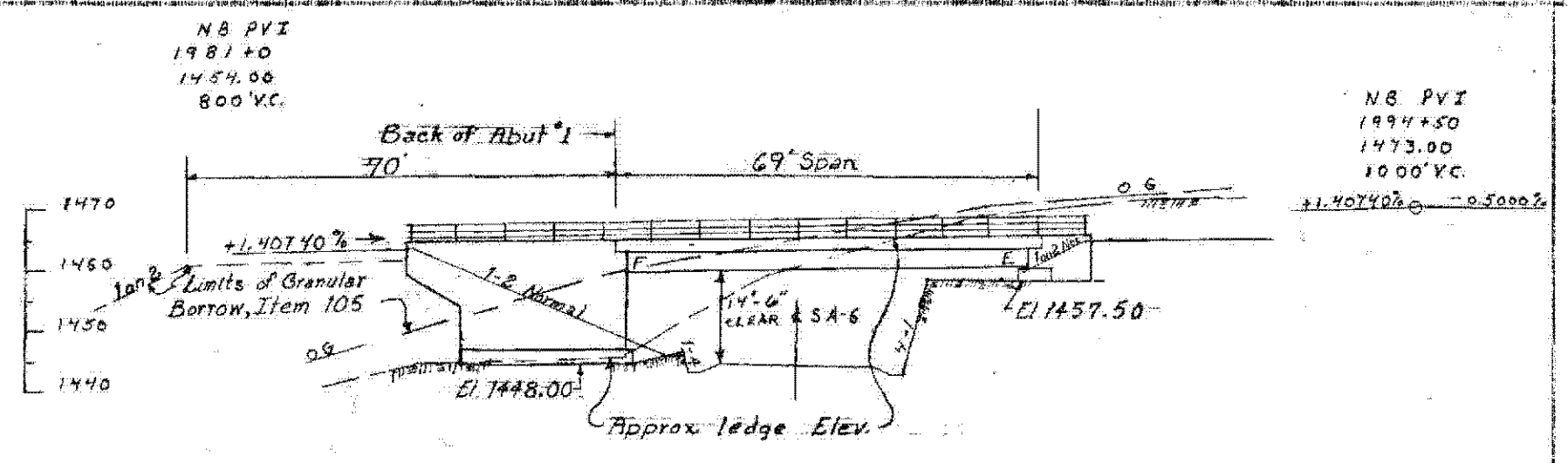
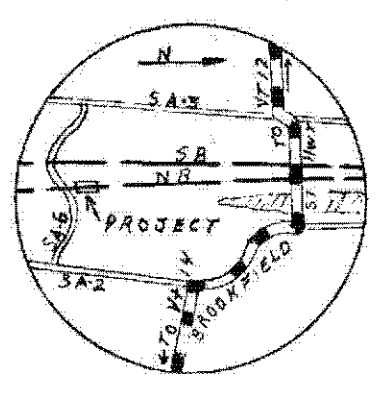
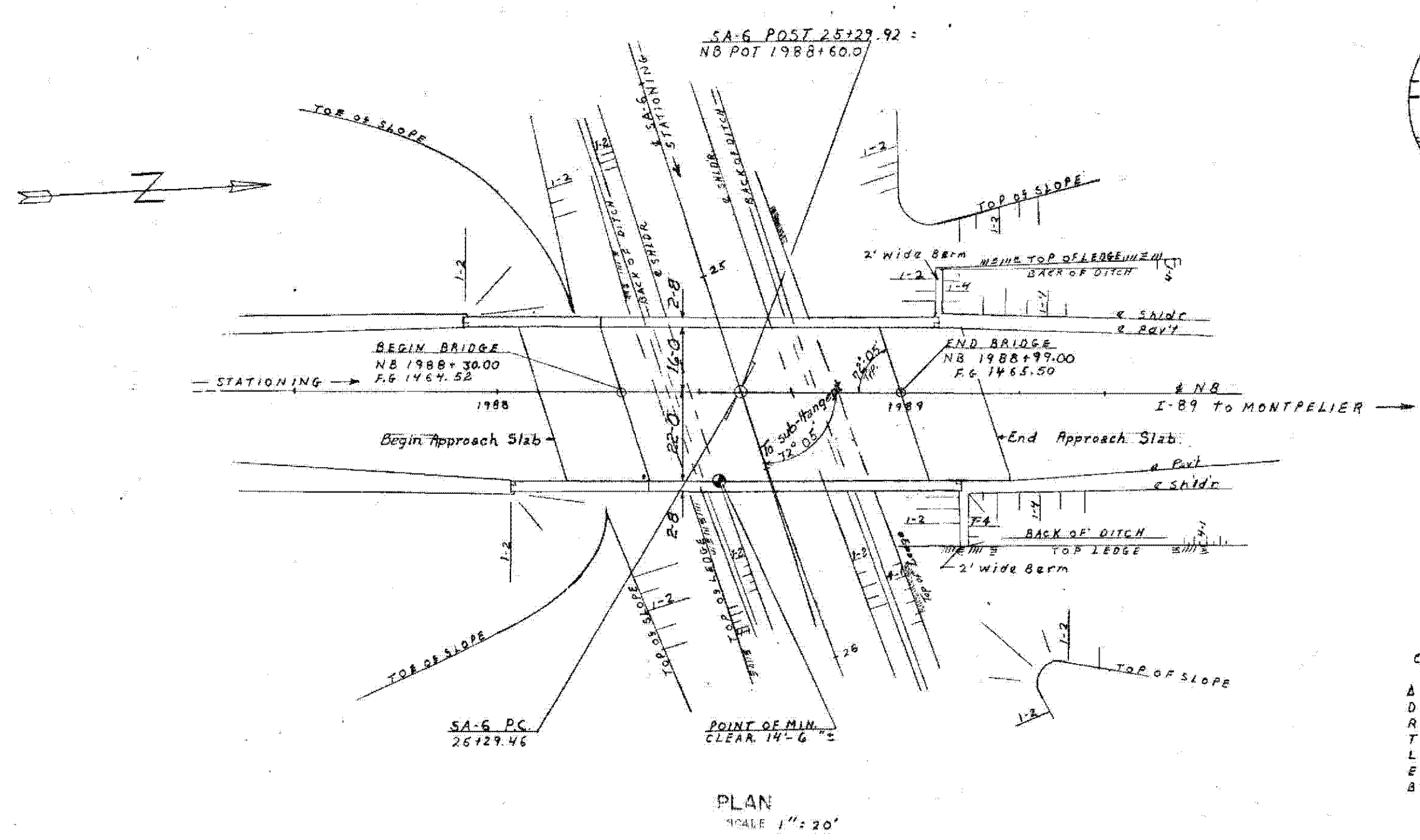


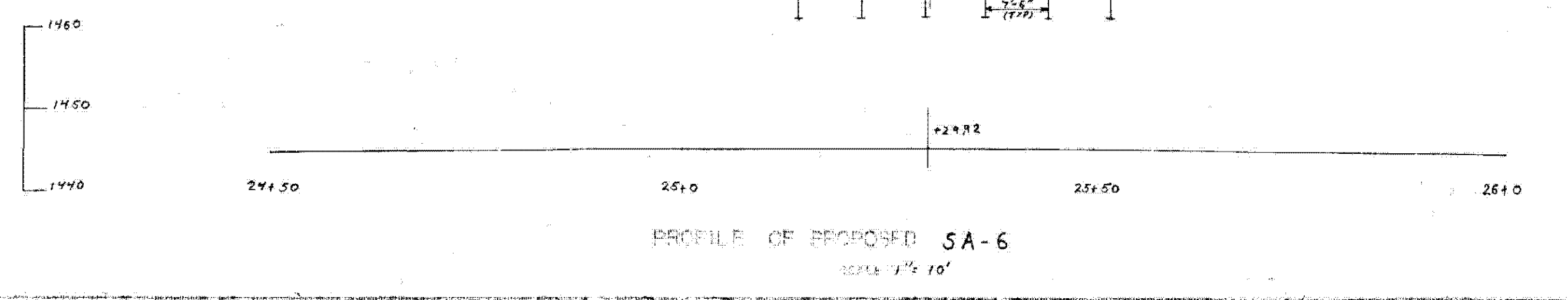
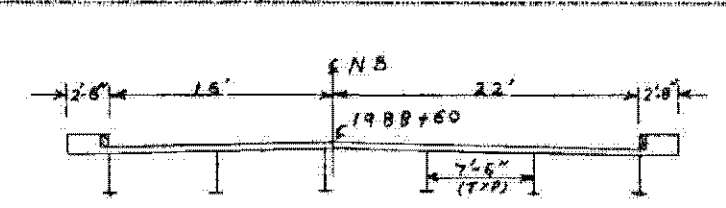
NEW HIGHWAY SECT. STA. 1988+0 NB  
SCALE 1"=10'



NEW HIGHWAY PROFILE ALONG RT. FASCIA NB  
SCALE 1"=20'



CURVE DATA  
SA-6  
Δ 12° LT  
D 4°  
R 1432.40  
T 150.34  
L 300.00  
E 7.87  
Bank 7 1/2' / 15'



PROFILE OF PROPOSED SA-6  
SCALE 1"=10'

HIGHWAY NO. I-89 NAME OF HIGHWAY INTERSTATE  
PROJECTED NO. SR-84 COUNTY ORANGE TOWN BROOKFIELD  
PROJECT NO. I-89-1110 LOCATION I-89 NORTH BOUND OVER SA-6

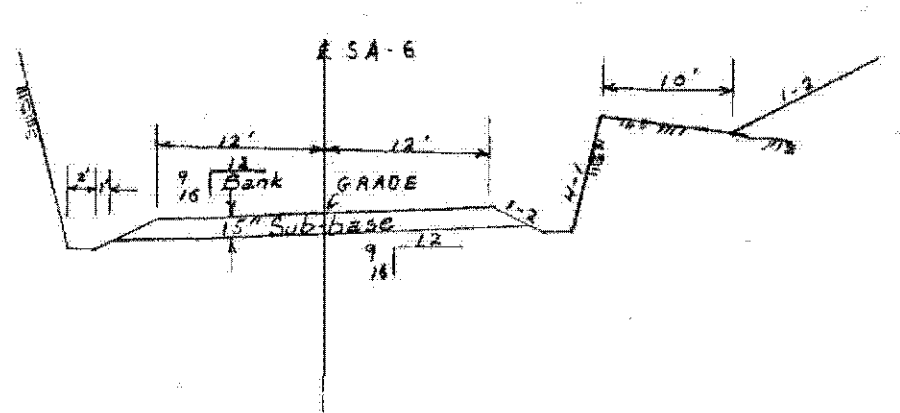
EXISTING STRUCTURE

1. RATED SPAN OF EXISTING STRUCTURE
  2. TYPE OF EXISTING STRUCTURE
  3. UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE
  4. WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE? COST OF REMOVAL
  5. SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE?
  6. SHOULD NEW TEMPORARY STRUCTURE BE BUILT?
  7. ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE WATERWAY TO ORDINARY H.W.
  8. EXTREME HIGH WATER AT EXISTING STRUCTURE SOURCE OF INFORMATION
  9. SPAN OF EXISTING BRIDGE UPSTREAM WATERWAY TO EXTREME H.W.
  10. SPAN OF EXISTING BRIDGE DOWNSTREAM WATERWAY TO EXTREME H.W.
  11. TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS
  12. DOES WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE?
  13. IF NOT AT WHAT ELEVATION IS WATER APPROX.?
  14. ADDITIONAL WATERWAY AREA REQUIRED?
- RECOMMENDED TYPE OF STRUCTURE: SIMPLE SPAN - COMPOSITE - W-BEAM  
RECOMMENDED SPAN OR SPANS: 69' Overall  
MEASURED PARALLEL TO NEW HIGHWAY: 69.30' Clear  
MEASURED AT RIGHT ANGLES TO SA-6: 61.66' Clear
1. ARE THERE OBJECTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO
  2. ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE
  3. EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE SOURCE OF INFORMATION
  4. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE?
  5. DOES STREAM BEHIND ITS MAXIMUM FLOOD WATER ELEVATION RAPIDLY?
  6. LOW WATER ELEVATION AT NEW STRUCTURE IS ORDINARY RISE RAPID?
  7. FLOOD AREA IN ADEQUATE ABOVE STRUCTURE
  8. FLOOD AREA IN ADEQUATE ABOVE STRUCTURE
  9. IS STREAM EVER DRY?
  10. VELOCITY OF STREAM AT HIGH WATER ESTIMATE
  11. AREA FULL OPENING AREA BELOW ORDINARY H.W.
  12. CHARACTER OF SOIL
  13. ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE
  14. VERMONT CLEARANCE ABOVE FLOOD ELEVATION: NO BOTH SIDES
  15. ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE?
  16. RECOMMENDED TYPE OF PAVEMENT: 2" BITUMINOUS CONCRETE
  17. TRAFFIC TO BE MAINTAINED UNDER ITEM NO. NA ONE OR TWO WAYS PROBABLE FOOT
  18. POSSIBLE COST OF CLEARING AND HAULING STREAM CHANNEL AT STRUCTURE SITE NA
  19. SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
  20. ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 10K/3F SHOULD PILES BE USED? NO EST. 60T

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE ADEQUACY OR ACCURACY OF THE INFORMATION SHOWN. DISTURBANCE MAY BE FOUND UNDER AT ANY PIER OR ABUTMENT LOCATION. SEE BORING LOGS SHEET BR-203

ALLOWABLE DESIGN STRESSES  
CONCRETE 50 3000 PSI 50 1200 PSI  
STRUCTURAL STEEL 50 20000 PSI (A36) OTHER STEEL AS PER AASHTO SPECS.  
REINFORCING STEEL 50 20000 PSI (TENSION) 50 15000 PSI (COMP)  
DESIGN LOADING HS 20-MV



SA-6 TYPICAL SECTION  
STA 24+50 - STA 26+0  
SCALE 1"=10'

BROOKFIELD  
M 089-1(59)  
SHEET 19  
FOR REFERENCE ONLY

RECOMMENDED FOR APPROVAL: E. W. Stebbins 12/22/65  
DATE: 12/22/65  
CONSTR. ENGINEER  
FOR APPROVAL: R. H. Arnold 12/23/65  
DATE: 12/23/65  
SUPERVISOR  
FOR APPROVAL: R. H. Arnold 12/23/65  
DATE: 12/23/65  
SUPERVISOR

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
I-89 IN THE TOWN OF  
RANDOLPH - BROOKFIELD  
ROUTE NO I-89 STA 1988+60 NB  
I-89 NB. OVER SA-6  
PRELIMINARY INFORMATION  
DATE: 12/23/65  
BY: R. H. Arnold  
CHECKED BY: R. H. Arnold  
DATE: 12/23/65  
PROJECT: I-89-1110 SHEET 19 OF 65  
I-89-1(28) Sheet 19 of 65  
Stage 2 Construction BR-209