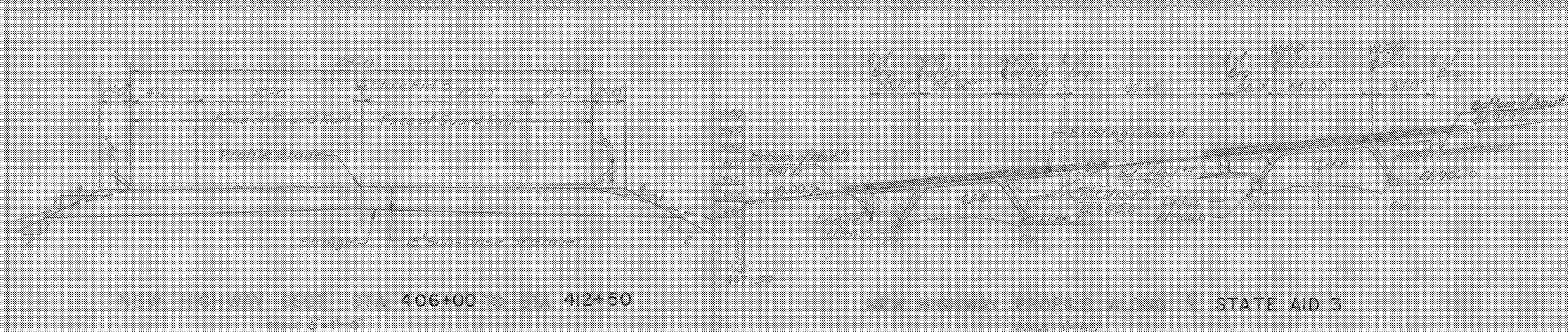
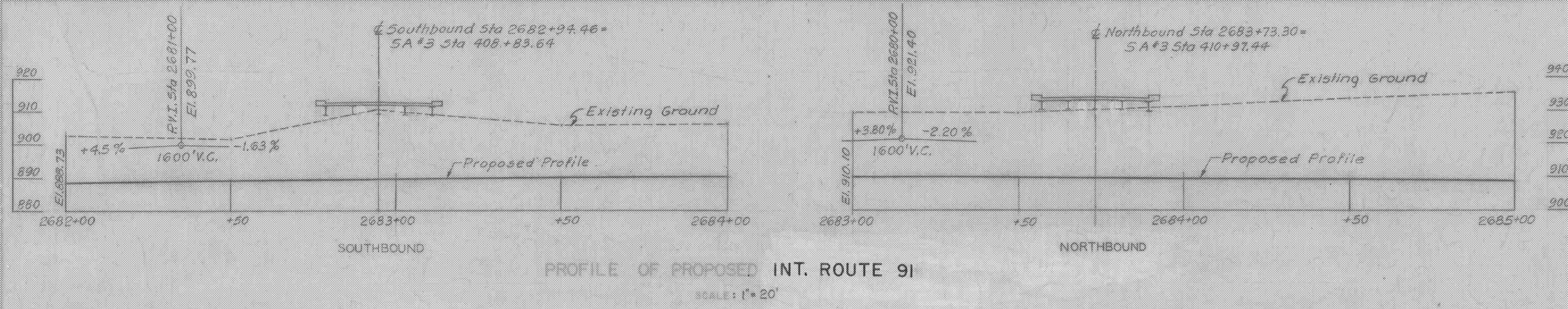
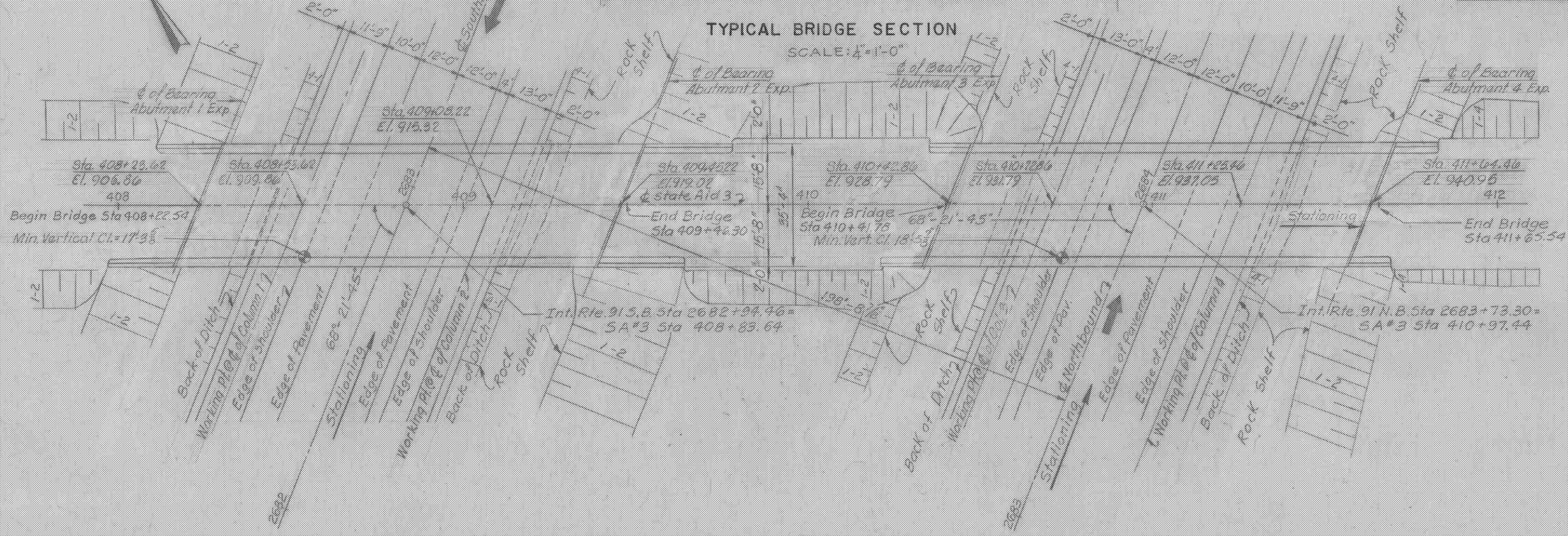
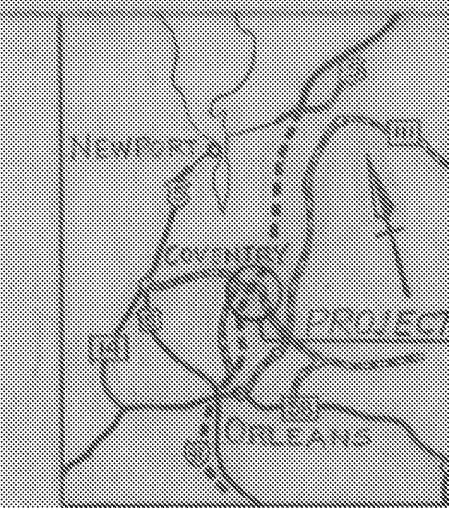
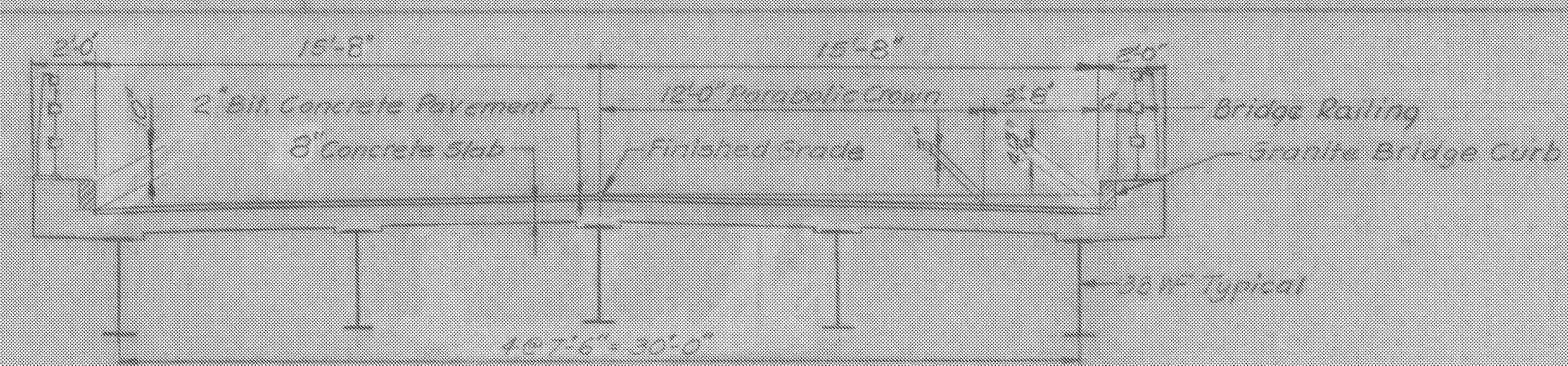




Note: For Details of Deck Construction see BR 204. For Railing Details see And SB-21-64, Sheets 162. For Curb Details see SCB-D0-67.



HIGHWAY NO. I-91 STRUCTURE NO. 191-3(B) PROJECT NO. 191-3(B)	NAME OF HIGHWAY Interstate COUNTY Orleans TOWN Coventry LOCATION STATE AID 3 OVER I-91
EXISTING STRUCTURE 1. TYPE OF EXISTING STRUCTURE 2. UNDERLAMENT ELEVATION OF EXISTING STRUCTURE 3. WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE? 4. SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE? 5. SHOULD NEW TEMPORARY STRUCTURE BE USED? 6. ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE 7. EXTREME HIGH WATER AT EXISTING STRUCTURE 8. SPAN OF EXISTING BRIDGE UPSTREAM 9. SPAN OF EXISTING BRIDGE DOWNSTREAM 10. TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS 11. DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE? 12. IF NOT, AT WHAT ELEVATION IS RELIEF AFFORDED? 13. ADDITIONAL WATERWAY AREA PROVIDED	
NEW STRUCTURE 1. RECOMMENDED TYPE OF STRUCTURE 3 Span Steel Rigid Frame (Non-Composite) 2. RECOMMENDED CLEAR SPAN OR SPANS 30.0 - 54.60 - 37.0 MEASURED PARALLEL TO NEW HIGHWAY 30.0 - 54.60 - 37.0 MEASURED AT RIGHT ANGLES TO STREAM N.A. 3. ARE THERE OBJECTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO N.A. 4. ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE N.A. 5. EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE N.A. SOURCE OF INFORMATION N.A. 6. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? N.A. 7. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? N.A. IS ORDINARY RIDE RAPID? N.A. 8. LOW WATER ELEVATION AT NEW STRUCTURE N.A. 9. DRAINAGE AREA IN ACRES ABOVE STRUCTURE N.A. CHARACTER OF TERRAIN 10. IS STREAM EVER DRY N.A. 11. VELOCITY OF STREAM AT HIGH WATER STAGE N.A. ESTIMATED DISCHARGE N.A. 12. AREA FULL OPENING N.A. AREA BELOW ORDINARY H.W. N.A. 13. CHARACTER OF SCOUR N.A. DRIFT N.A. ICE N.A. 14. ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE 15. VERTICAL CLEARANCE ABOVE FLOOD ELEVATION N.A. 16. ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE? NO BOTH SIDES 17. RECOMMENDED TYPE OF PAVEMENT 2" Bituminous Concrete, 8" Concrete 18. TRAFFIC TO BE MAINTAINED UNDER ITEM NO. N.A. ONE OR TWO WAYS PROBABLE COST 19. PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE N.A. 20. SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO 21. ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 5 Tons/ea at Piers & Abuts. SHOULD PILES BE USED? NO EST. LGTH. N.A.	
FOUNDATION INFORMATION OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. SOILS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.	
Design Stresses: Concrete $f_c = 3000$ p.s.i. $f_t = 1200$ p.s.i. Structural Steel $f_s = 20,000$ p.s.i. (A-36) others per A.A.S.H.O. Specs. Reinforcing Steel $f_s = 20,000$ p.s.i. Tension $f_s = 16,000$ p.s.i. Compression Welding per A.W.S. Specs. Design Loading: HS20-44.	
APPROVED BY: R.H. Curren 9/15/69 CHIEF ENGINEER	
RECOMMENDED FOR APPROVAL: 20-Donahue 9-15-69 CONSTRUCTION ENGR. DATE RECOMMENDED FOR APPROVAL: Luft 9-15-69 BRIDGE ENGINEER DATE RECOMMENDED FOR APPROVAL: Elbert 9-15-69 ASST. CHIEF ENGINEER DATE	
STATEWIDE - N.E. REGION BHF MEMB(19) SHEET 49 OF 80 BRIDGE NO. D08N & D08S FOR REFERENCE ONLY	
CHANGED RAILY WIDTH FROM 30'-0" TO 31'-4", CURB WIDTH FROM 2'-8" TO 2'-0", DECK THICKNESS FROM 7 1/2" TO 8" BIT CONC. FROM 1 1/2" TO 2" R. TESTA 4/28/69	
STATE OF VERMONT DEPARTMENT OF HIGHWAYS I-91 IN THE TOWNS OF COVENTRY BR #108-5 ROUTE NO I-91 STA 2683± ROUTE SA3 OVER I-91	
DRAWN BY: A.K.N. CHECKED BY: ACC DATE: 12/3/65 PROJECT NO. 191-3(B) SHEET 201 OF 605	