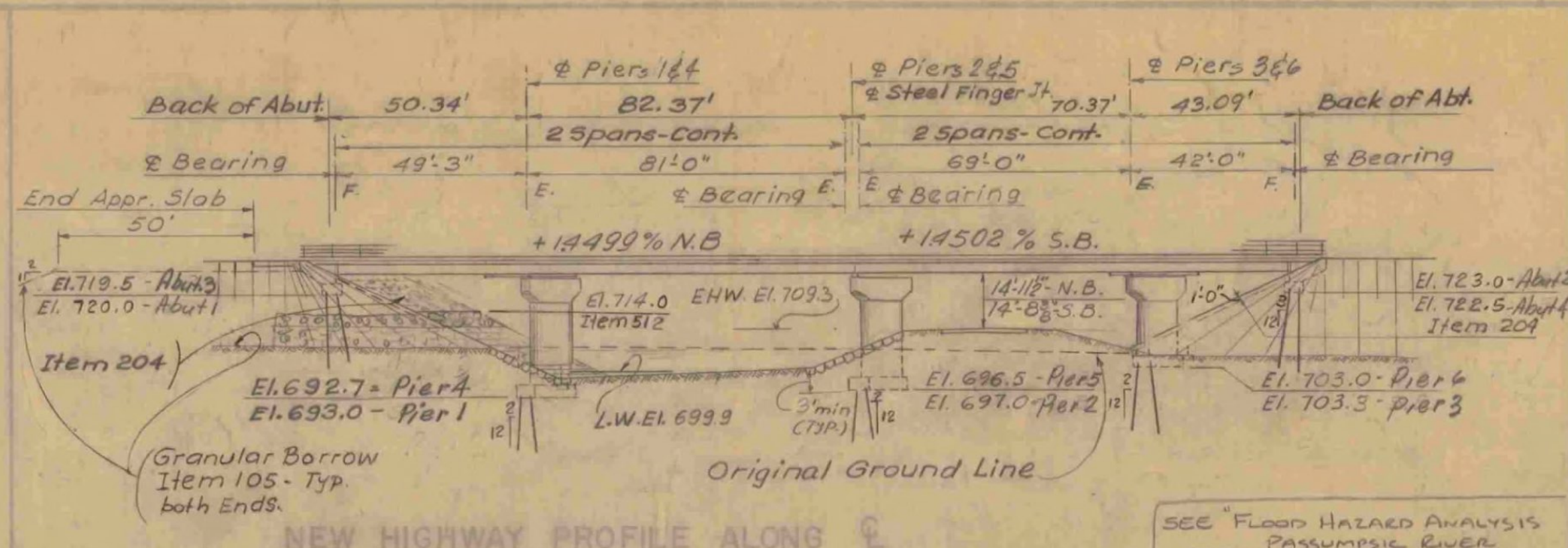


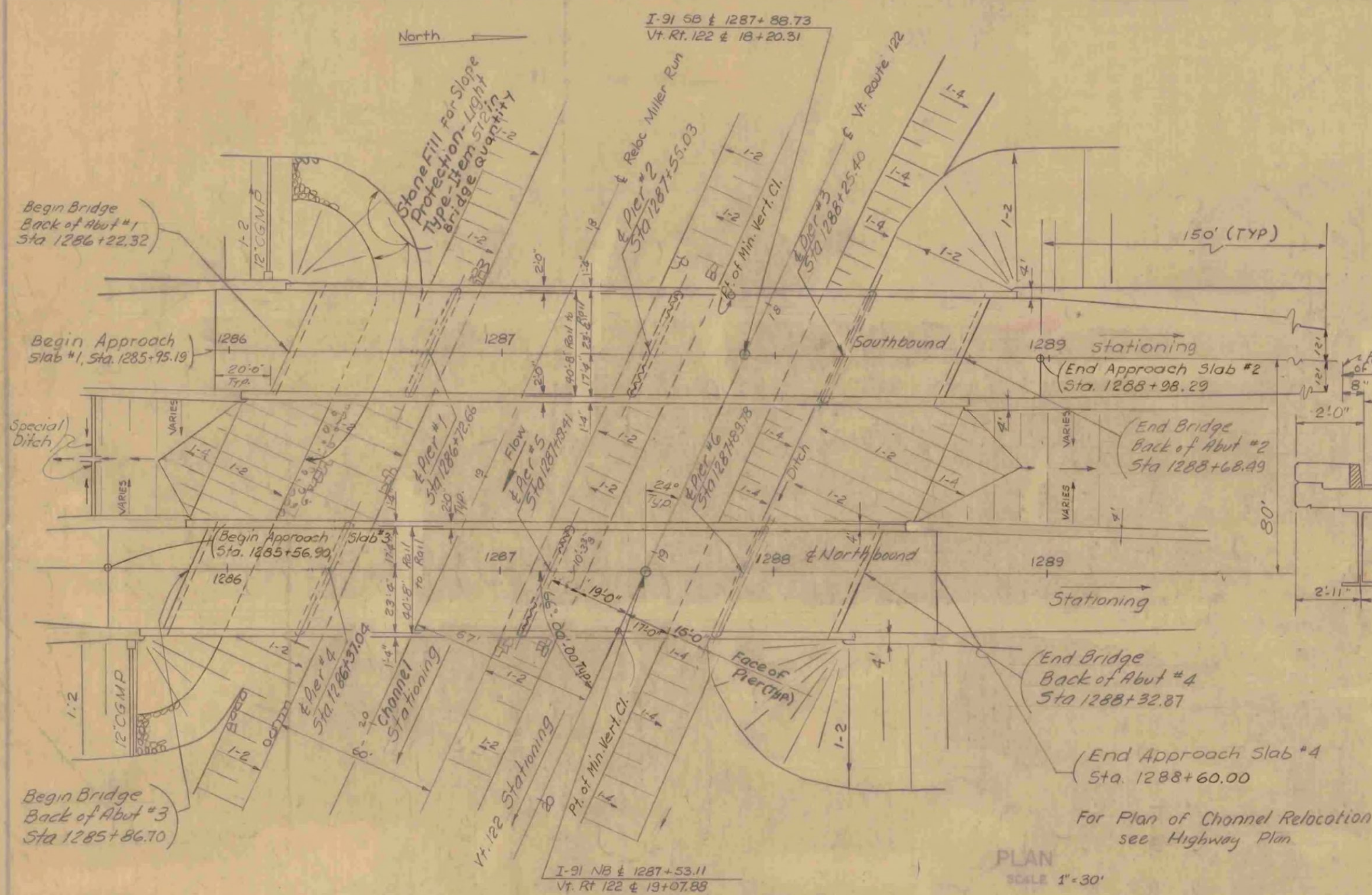
NEW HIGHWAY SECT. I-91 AT BRIDGE APPROACHES

SCALE 1"=20'

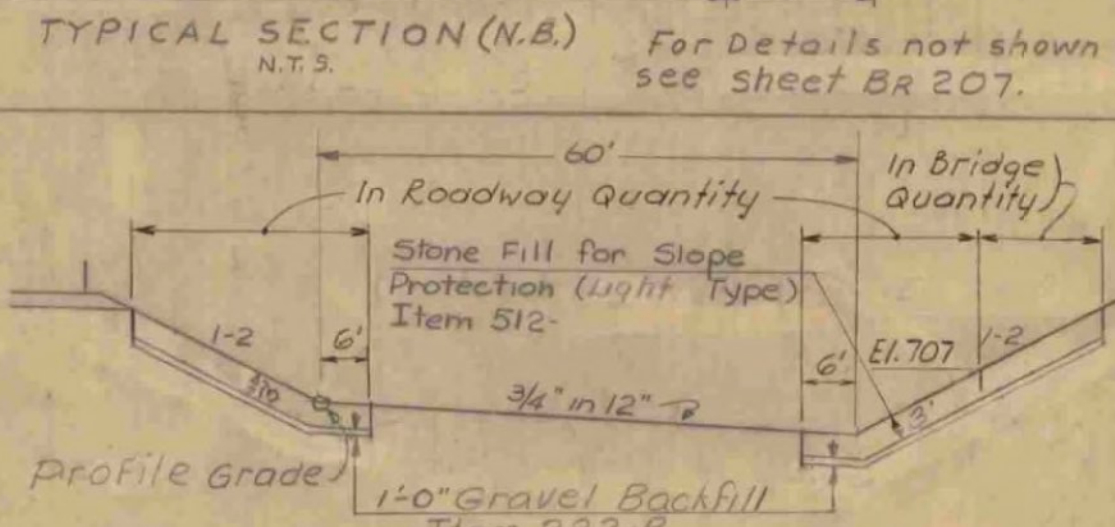
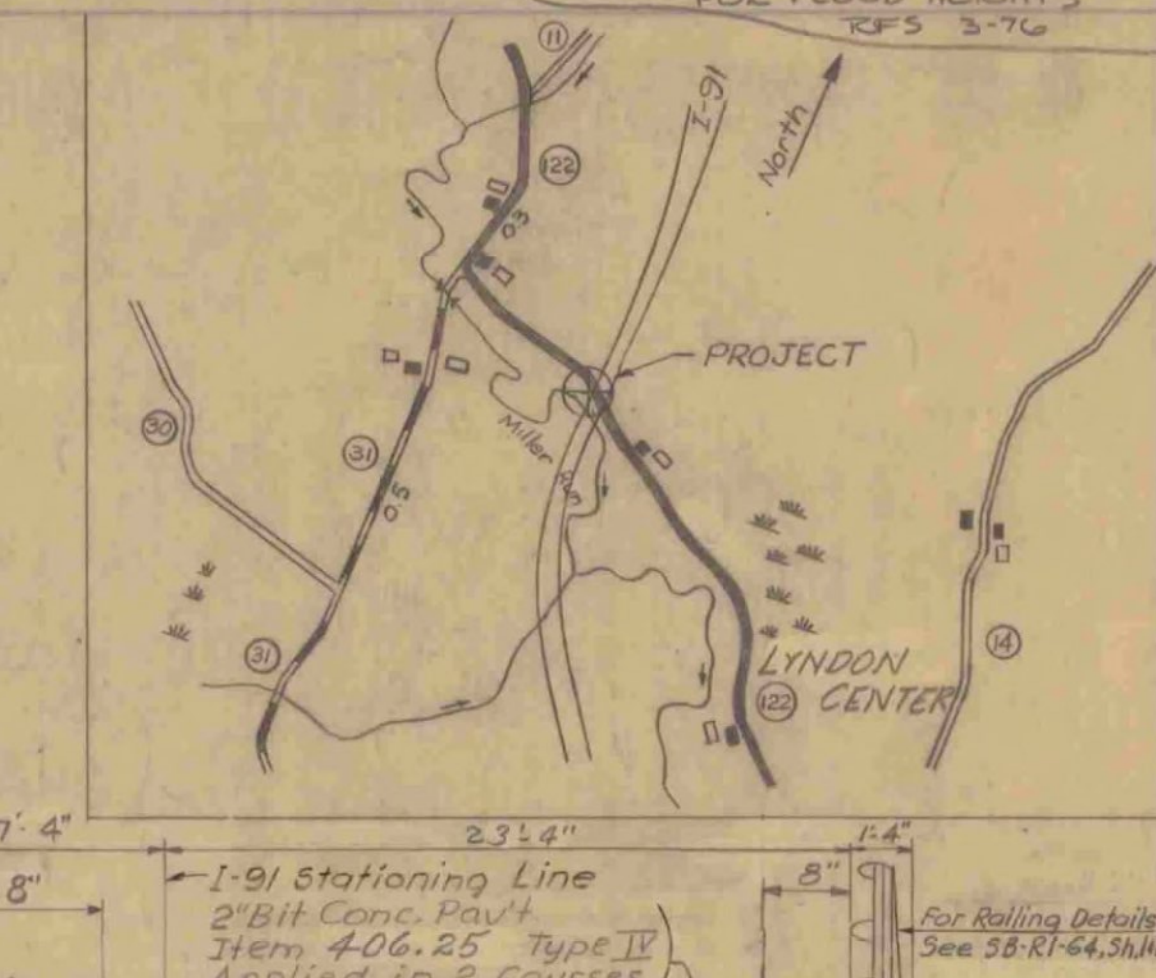


NEW HIGHWAY PROFILE ALONG C.

SCALE 1"=30'



PLAN SCALE 1"=30'

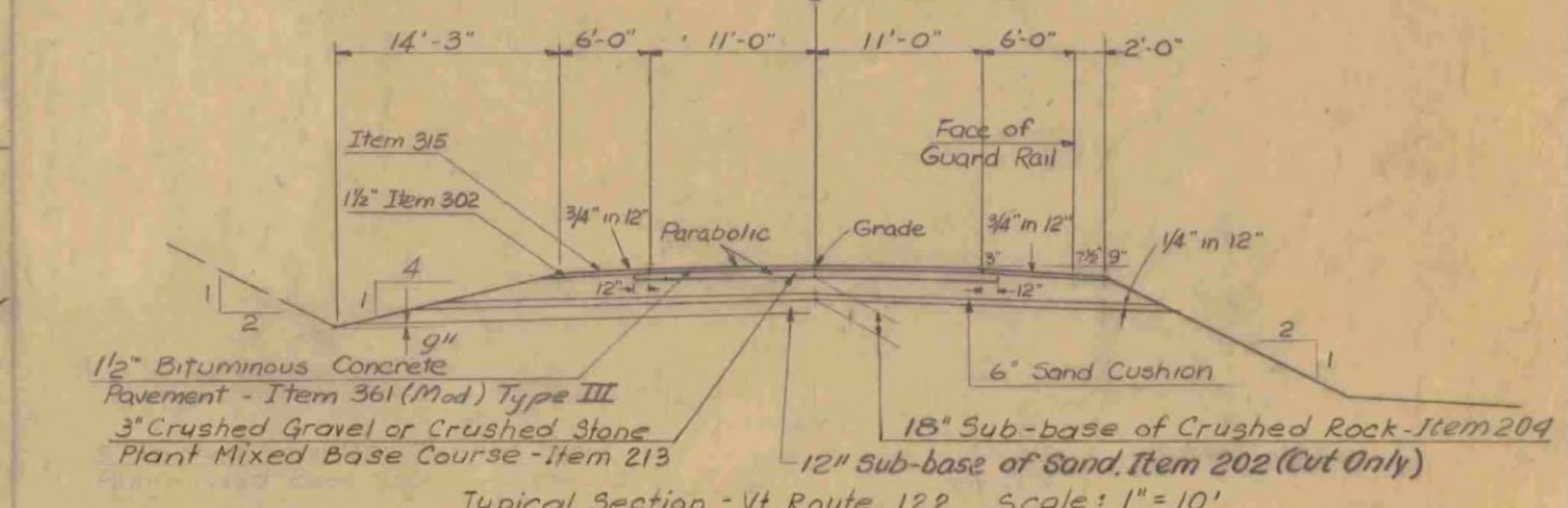


TYPICAL SECTION Reloc. Miller Run Scale 1"=20'

HIGHWAY NO.	I-91	NAME OF HIGHWAY	Interstate
STRUCTURE NO.	2	COUNTY	Caledonia
PROJECT NO.	I-91-3 (18)	TOWN	Lyndon
LOCATION	Vermont Route 122 & Reloc. Miller Run		
	Lyndon - Barton		
EXISTING STRUCTURE - None			
TYPE OF EXISTING STRUCTURE			
UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE			
WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE? COST OF REMOVAL			
SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE?			
SHOULD NEW TEMPORARY STRUCTURE BE BUILT?			
ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE WATERWAY TO ORDINARY H.W.			
EXTREME HIGH WATER AT EXISTING STRUCTURE			
SPAN OF EXISTING BRIDGE UPSTREAM WATERWAY TO EXTREME H.W.			
SPAN OF EXISTING BRIDGE DOWNSTREAM WATERWAY TO EXTREME H.W.			
TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS			
DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE?			
IF NOT, WHAT ELEVATION IS RELIEF AFFORDED?			
ADDITIONAL WATERWAY AREA PROVIDED			

NEW STRUCTURE		Non-composite Spans 144'
1. RECOMMENDED TYPE OF STRUCTURE	90'-8" Rail to Rail Cent. spans, W+Cs Composite Spans 243'	
2. RECOMMENDED CLEAR SPAN OR SPANS	(49'-3") (81'-0") & (63'-0") (42'-0")	
3. MEASURED PARALLEL TO C NEW HIGHWAY	MEASURED AT RIGHT ANGLES TO C STREAM	44'-11/2" 74'-0" 63'-0" 38'-4 1/2"
4. ARE THERE OBSTRUCTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO	No	
5. ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE	703.6	
6. EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE	709.3	SOURCE OF INFORMATION: 50 Yr. Storm (Computed)
7. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE?	Yes	
8. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? YES IS ORDINARY RISE RAPID? YES	Yes	
9. LOW WATER ELEVATION AT NEW STRUCTURE	699.9	
10. DRAINAGE AREA IN ACRES ABOVE STRUCTURE	28,800	CHARACTER OF TERRAIN: Farm & Forest - Hilly
11. VELOCITY OF STREAM AT HIGH WATER STAGE	10 fps	ESTIMATED DISCHARGE: 6400 c.f.s.
12. AREA FULL OPENING	668 sq. ft.	AREA BELOW ORDINARY H.W.: 195 sq. ft.
13. CHARACTER OF SCOUR	Moderate	DRIFT: Moderate
14. ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE	None	
15. VERTICAL CLEARANCE ABOVE FLOOD ELEVATION	17.8' (N.B.) 18.2' (S.B.)	
16. ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE?	No	BOTH SIDES: No
17. RECOMMENDED TYPE OF PAVEMENT	2" Bituminous Concrete; 8" Concrete Slab	
18. TRAFFIC TO BE MAINTAINED UNDER (ITEM NO.)	ONE OR TWO WAYS	PROBABLE COST:
19. PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE		
20. SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES?	No	
21. ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS	SHOULD PILES BE USED? Yes	EST. LATH: 55'

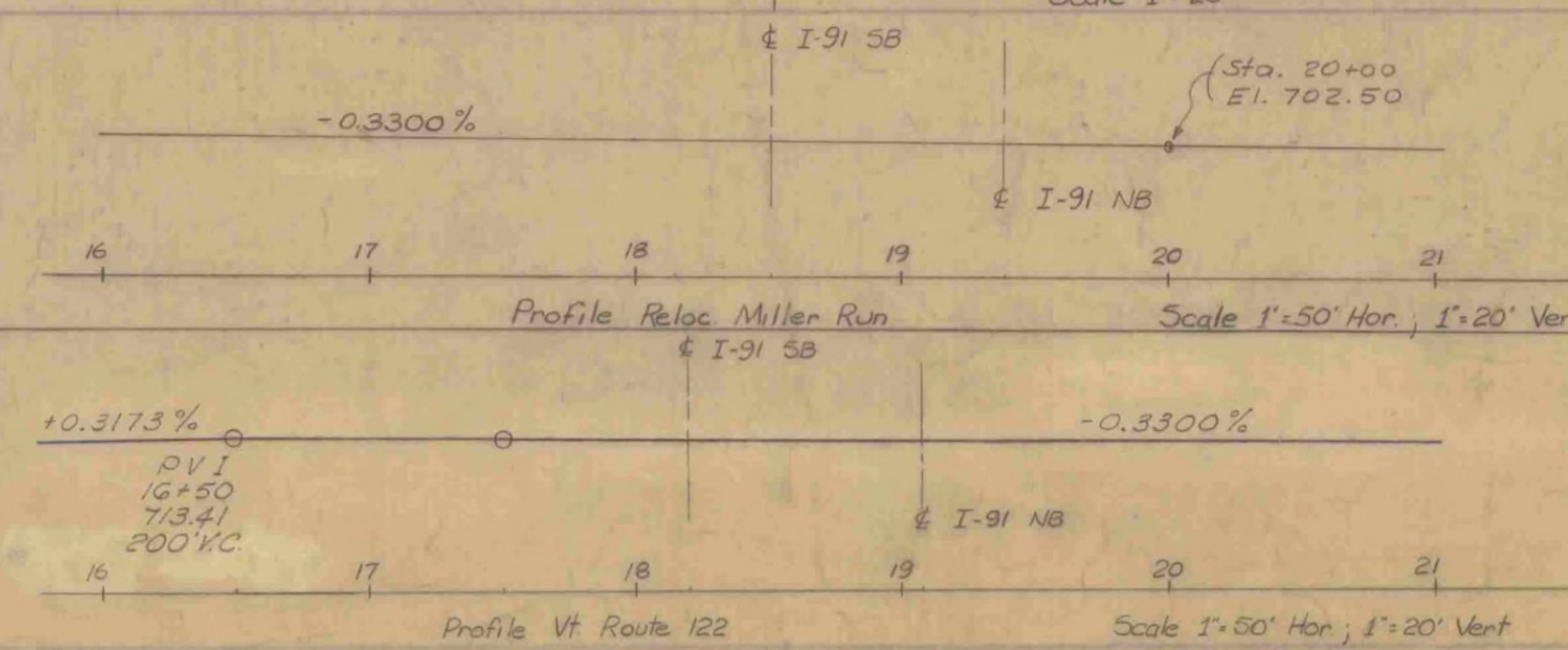
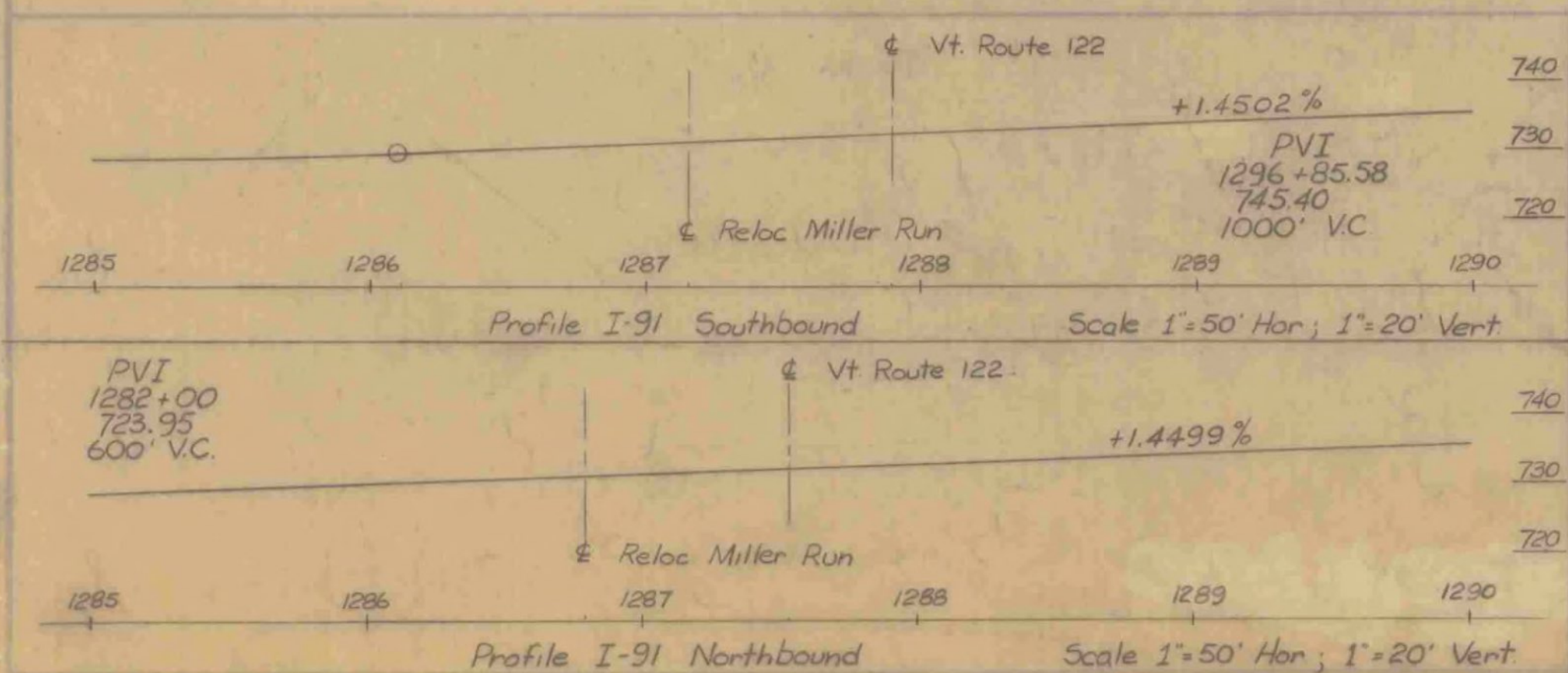
FOUNDATION INFORMATION		Except Abutts 1, 3 & 4 Est. Length 65'
OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOULDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.		
All Substructure Units founded on Cast-in-Place Concrete Friction Piles (40" pile max) & Vt. Route 122		



SPECIFICATIONS: All materials and construction shall conform to the State of Vermont, Department of Highways, Standard Specifications, for Highway and Bridge Construction dated April 1964 and the A.A.S.H.O. Standard Specifications for Highway Bridges dated 1969

DESIGN LOADING: HS 20-44 as modified for National System of Interstate Highways

DESIGN STRESSES: A 36 Structural Steel - $f_s = 20,000$ p.s.i., Reinforcing Steel - $f_s = 20,000$ p.s.i., Concrete - $f_c = 3000$ p.s.i., $n = 10$, $f_e = 1200$ p.s.i.



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	12/30/66	DATE
CONSTRUCTION ENGINEER			
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	1/30/66	DATE
BRIDGE ENGINEER			
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	1/30/66	DATE
INSPECTOR			
APPROVED BY	<i>[Signature]</i>	1/30/66	DATE
CHIEF ENGINEER			

Stage 2 Construction

STATE OF VERMONT	
DEPARTMENT OF HIGHWAYS	
INTERSTATE	IN THE TOWN OF LYNDON
PROJECT: LYNDON - BARTON	
ROUTE NO. I-91, L.S. STA. 1287	
I-91 over Vt. Route 122 & Reloc. Miller Run	
PRELIMINARY INFORMATION SHEET	
PROJECT NO.	I-91-3 (18) SHEET 171
CONTRACT NO.	370 389
BRIDGE NO.	965
DATE	1/30/66
SCALE	BR 202