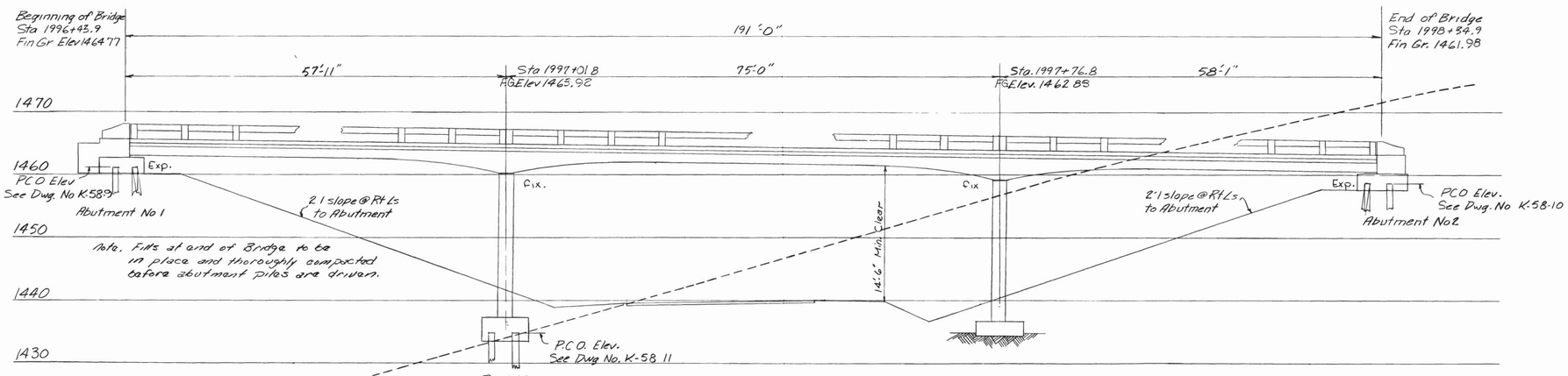
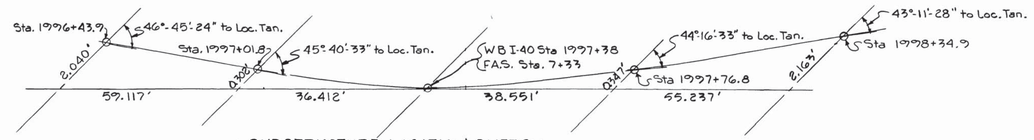
FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
3	TENN	I-40-4(40)340	19		-

Δ Revised 11-17-66



ELEVATION AT Rt Ls TO I-40



Δ SUBSTRUCTURE LOCATION SKETCH

GENERAL NOTES:

SPECIFICATIONS: Standard Road and Bridge Specifications of the Tennessee Department of Highways
DESIGN SPECIFICATIONS: AASHO 1961 Edition with Addenda
LOADING HS20-44 and Alternate Military Loading
CONCRETE: To be Class "A"
REINFORCING STEEL: To be intermediate or hard grade. Standard CRSI hook details shall apply
NEOPRENE PADS: See Special Provisions
PILES: To be 10"BP42
JOINT SEALER: See Special Provisions Class "A" or "B"

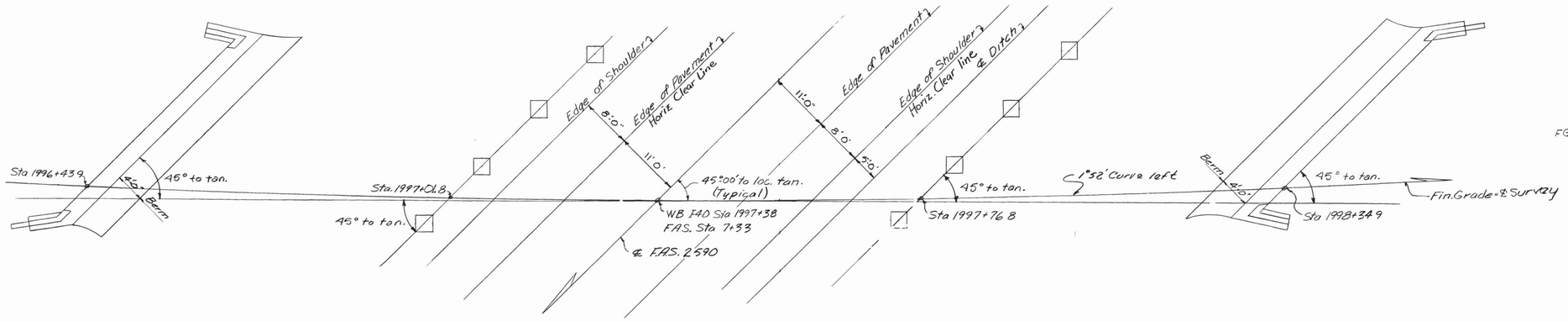
FOUNDATION NOTE:

Foundations for Bents shall be excavated to pile cut-off elevations shown; Rod soundings shall then be made as directed by the engineer from the results obtained the engineer will decide if piles will be used or the footings carried to rock. Piles shall be driven to rock or a minimum bearing of 50 tons for Bents and 30 tons for Abutments. No reinforcing steel for Bent columns or footings shall be ordered until final footing Elevations are established. Where rock is encountered, holes 6 feet deep shall be drilled at points designated by the Engineer. Cost of rod sounding to be included in bid items.

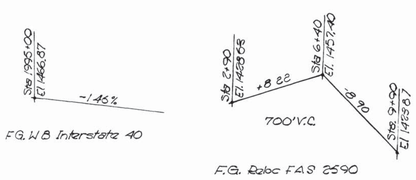
Bridgerail Note:
Build Bridgerail according to Standard Dwg. K-38-151
"Q" = 189'-1 5/8" Left Rail and 186'-7 3/4" Right Rail
"L" Left rail = 6'-11 1/8" with 7 spa Span 1, 6'-5 3/8" with 10 spa. Span 2, 6'-11 1/8" with 7 spa. Span 3,
"L" Right rail = 6'-10" with 7 spa. Span 1, 6'-4 5/8" with 10 spa Span 2, 6'-10 1/8" with 7 spa. Span 3

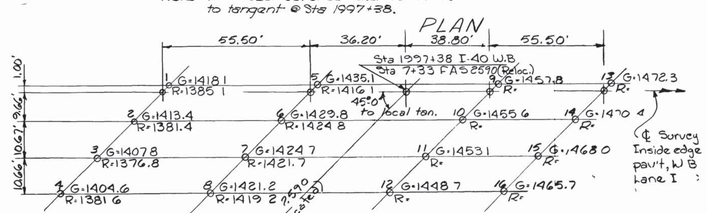
LIST OF DRAWINGS:

	NO.
LAYOUT OF BRIDGE	K-58-7
SUPERSTRUCTURE	K-58-8
ABUTMENT NO. 1	K-58-9
ABUTMENT NO. 2	K-58-10
BENTS NO. 1 & 2	K-58-11
CONCRETE BRIDGERAIL	K-38-151
BILL OF STEEL	K-58-12



Note All Substructures skewed 45°-00' to tangent @ Sta 1997+38.





SOUNDING SKETCH
G = Ground Elevation
R = Rock Elevation

ESTIMATED QUANTITIES

ITEM		Concrete* Class "A" Cu. Yds.	Reinforcing Steel lbs.	Excavation cu yds. Dry	Excavation cu yds. Rock	Concrete Bridgerail Lin. Ft	Linseed Oil Treatment Sq Yds	Rock Drilling Lin Ft.	Steel Piles 10"BP42* Lin. Ft.
SUPERSTRUCTURE		347.5	140,466						
ABUTMENT	No. 1	22.1	2,746						
BENT	No. 1	14.6	7,786	76					
BENT	No. 2	14.6	7,051	38	38			24	
ABUTMENT	No. 2	23.5	2,883						
TOTAL		422.7	160,932	114	38	376	1,033	24	900

* Note: The cost of Neoprene Bearing Pads, Rubber Bonding Cement and all Joint Material is to be included in the Unit Price Bid for Class "A" Concrete.

38'-0" Roadway with Buffer Curbs
STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
NASHVILLE

LAYOUT OF BRIDGE
W.B. INTERSTATE 40 OVER FAS 2590 (RELOC.)
STATION 1996+43.90
ROANE COUNTY
1966

CORRECT Fred Grant
BRIDGE ENGINEER
APPROVED M. Dunlap
STATE HIGHWAY ENGINEER

DESIGNED BY Jim C. Tippens DATE 9-65
DRAWN BY JAMES FIELDS DATE 10-65
TRACED BY DATE
CHECKED BY DATE

K-58-7

Pavement @ Br Ends. See K-90 150 & 151

MICROFILMED