

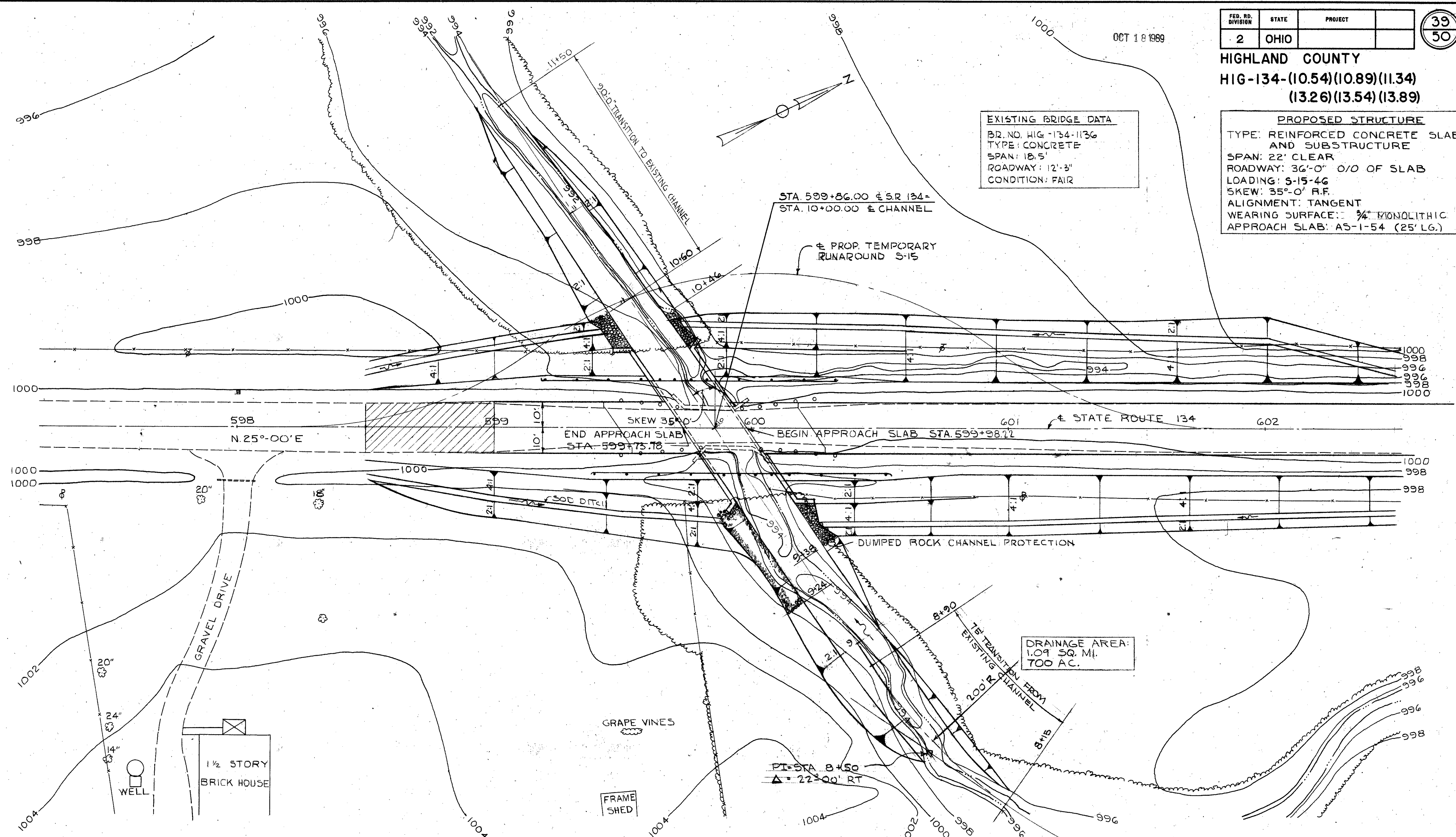
HIGHLAND COUNTY
HIG-134-(10.54)(10.89)(11.34)
(13.26)(13.54)(13.89)

PROPOSED STRUCTURE
 TYPE: REINFORCED CONCRETE SLAB AND SUBSTRUCTURE
 SPAN: 22' CLEAR
 ROADWAY: 36'-0" O/O OF SLAB
 LOADING: S-15-46
 SKEW: 35°-0' R.F.
 ALIGNMENT: TANGENT
 WEARING SURFACE: ¾" MONOLITHIC
 APPROACH SLAB: A5-1-54 (25' LG.)

EXISTING BRIDGE DATA
 BR. NO. HIG-134-1136
 TYPE: CONCRETE
 SPAN: 18.5'
 ROADWAY: 12'-3"
 CONDITION: FAIR

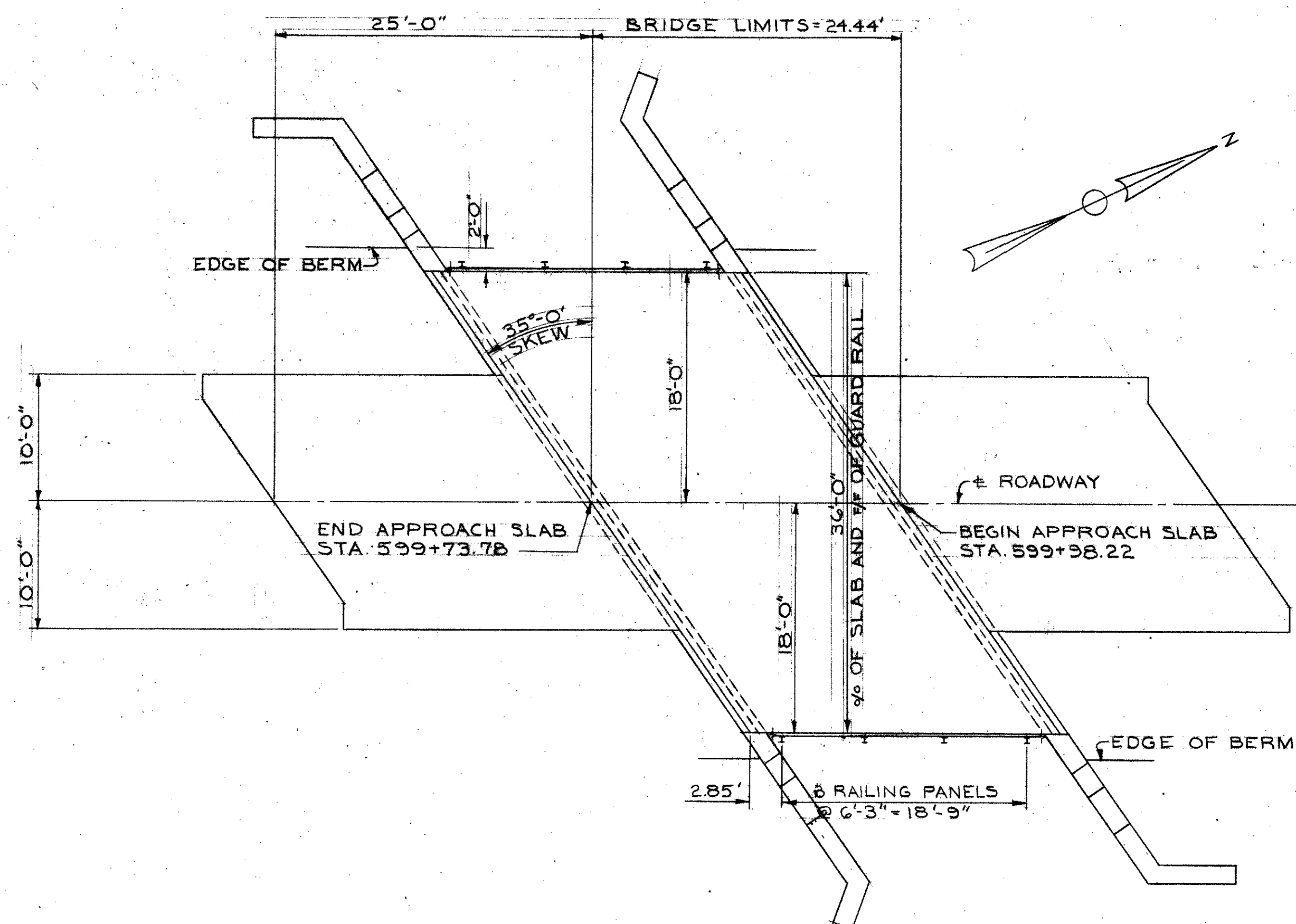
1010	992.0
1000	992.5
990	993.0
980	993.5
	994.0
	994.5
	995.0

FOUNDATION BORINGS, FOUNDATION DESIGN & FOUNDATION QUANTITIES ARE BASED ON A STUDY OF TEST BORINGS & SOIL SAMPLES MADE AT THE SITE. THIS TEST BORING INFORMATION MAY BE INSPECTED IN THE OFFICE OF THE BUREAU OF BRIDGES IN COLUMBUS OR IN THE DIVISION OFFICE, BUT THE STATE ASSUMES NO RESPONSIBILITY FOR THE ACCURACY THEREOF.

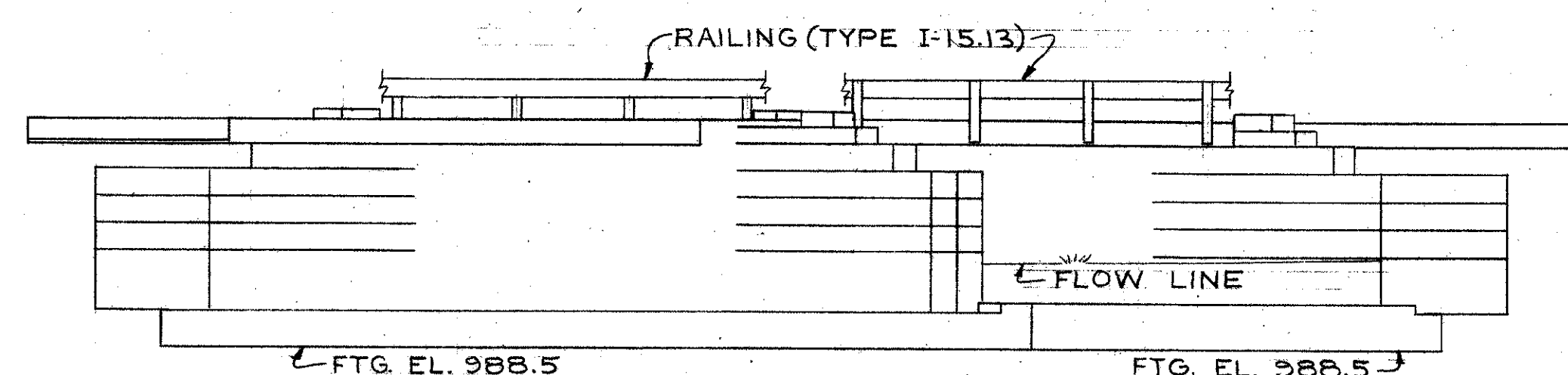


OCT 1-8 1989

HIGHLAND COUNTY
HIG-134 - (10.54)(10.89)(11.34)
(13.26)(13.54)(13.89)



GENERAL PLAN



ELEVATION

ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR	ABUT	GENERAL	
E-2	LUMP	SUM	COFFERDAMS, CRIBS AND SHEETING			LUMP	
E-2	175	CU. YDS.	UNCLASSIFIED EXCAVATION		175		
E-3	782	CU. YDS.	CHANNEL EXCAVATION			782	
I-10	67	CU. YDS.	DUMPED ROCK, CHANNEL PROTECTION			67	
S-1	41	CU. YDS.	CLASS "C" CONCRETE, SUPERSTRUCTURE	41			
S-1	82	CU. YDS.	CLASS "E" CONCRETE, ABUTMENT WALLS		82		
S-1	50	CU. YDS.	CLASS "E" CONCRETE, ABUTMENT FOOTINGS		50		
S-3	19	LIN. FT.	WATERPROOFING PREMOLDED SEALING STRIP		19		
S-4	13,316	LBS.	REINFORCING STEEL	9,434	3,882		
S-9	14	SQ. FT.	1/4" PREFORMED EXPANSION JOINT FILLER		14		
S-14	48.88	LIN. FT.	RAILING (TYPE I-15.13 WITH GALVANIZED STEEL POSTS AND GALVANIZED BOLTS)	48.88			
S-15	LUMP	SUM	TEMPORARY RUN-AROUND BRIDGE & APPROACHES			LUMP	
S-24	LUMP	SUM	REMOVAL OF EXISTING STRUCTURE			LUMP	
S-29	38	CU. YDS.	POROUS BACKFILL		38		

STEEL LIST						
MARK	NO.	LENGTH	WEIGHT	SHP.	BENDING DIAGRAM	
ABUTMENTS						
AG01	44	6'-3"	413	B		
A501	16	6'-0"	100	S		
A502	6	26'-11"	168	S		
A503	64	4'-0"	267	B		
A504	34	9'-11"	352	S		
A505	16	36'-11"	616	S		
A506	16	36'-2"	604	S		
A507	34	9'-5"	334	S		
A508	2	12'-5"	26	S		
A509	2	12'-2"	25	S		
A510	4	10'-1"	42	S		
A511	4	10'-7"	44	S		
A512	4	9'-3"	39	S		
A513	4	9'-9"	41	S		
A514	4	8'-4"	35	S		
A515	4	8'-10"	37	S		
A516	10	6'-10"	71	S		
A517	30	7'-4"	229	S		
A518	8	3'-2"	26	S		
A519	16	4'-6"	75	S		
A520	8	3'-8"	31	S		
A521	16	7'-6"	125	S		
A522	8	6'-8"	56	S		
A523	2	29'-3"	61	S		
A524	2	31'-3"	65	S		
SUPERSTRUCTURE						
S801	82	26'-2"	5,729	B		
S601	100	22'-8"	3,405	S		
S501	12	24'-0"	300	S		
REPLACEMENT						
RE801	1	8'-0"		B		
RE601	1	5'-11"		S		
RE501	1	5'-7"		S		

NOTES

BAR SIZE IS INDICATED IN THE BAR MARK. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, AG00 IS A NO. 6 SIZE BAR.

REPLACEMENT BARS: IF REINFORCING BARS ARE FABRICATED FROM STOCK WHICH HAS PREVIOUSLY BEEN TESTED AND APPROVED BY THE OHIO HIGHWAY TESTING LABORATORY, TEST SAMPLES AS PROVIDED IN SEC. S-4.02 NEED NOT BE FURNISHED AND REPLACEMENT BARS WILL NOT BE REQUIRED.

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWING SB-1-47 REVISED 1-20-48, & SUPPLEMENTAL SPECIFICATION S-101 DATED 12-2-59.

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO THE REQUIREMENTS OF "DESIGN SPECIFICATIONS FOR HIGHWAY STRUCTURES" OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, DATED 9-1-57, TOGETHER WITH REVISIONS THEREOF DATED 2-21-58.

REMOVAL OF EXISTING STRUCTURE: WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC, THE EXISTING STRUCTURE SHALL BE REMOVED. SUITABLE WASTE MASONRY FROM STRUCTURE SHALL BE USED AS CHANNEL PROTECTION WHERE SHOWN ON SITE PLAN, AS DIRECTED BY THE ENGINEER.

FOUNDATION BEARING PRESSURE: MAXIMUM ACTUAL SOIL BEARING PRESSURE FOR ABUTMENT FOOTINGS = 1.0 TONS PER SQUARE FOOT.

TEMPORARY RUN-AROUND BRIDGE AND APPROACHES: LOAD FREQUENCY FOR BRIDGE, CF=30, WITH UNIT STRESSES INCREASED 25% AS PER THE PROVISIONS FOR TEMPORARY BRIDGES IN THE DESIGN SPECIFICATIONS FOR HIGHWAY STRUCTURES. Bridge roadway width shall be 20'.

Surface course on approaches shall be 18' wide; aggregate and chloride, required therefor, shall be included with Roadway quantities for payment.

A. M. KINNEY ASSOCIATES
ARCHITECTS AND ENGINEERS
CINCINNATI • NEW YORK
A. M. KINNEY, ENGINEER • CHARLES BURCHARD, ARCHITECT

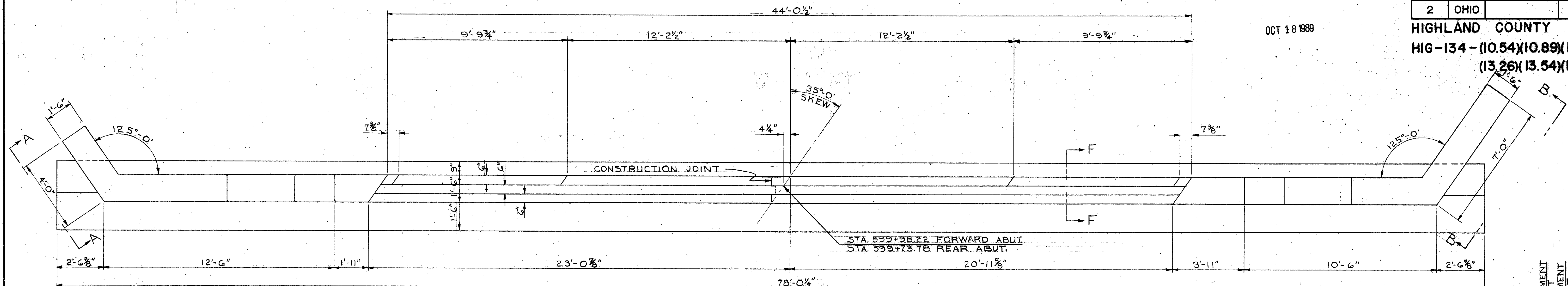
GENERAL PLAN

BRIDGE NO. HIG-134-1136
OVER
BRANCH OF LITTLE NORTH FORK
HIGHLAND CO. STATE ROUTE 134
STA 599 + 86.00

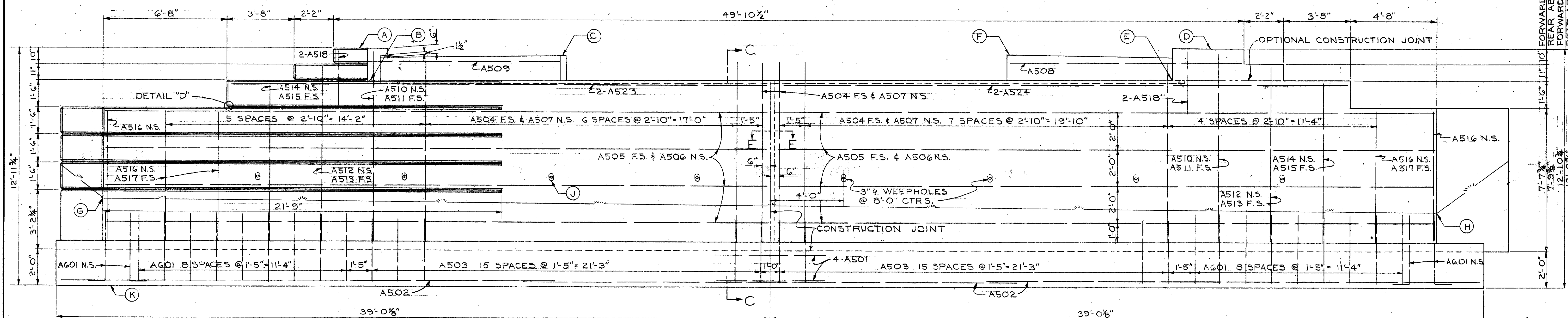
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
R.D.	R.D.		E.M.	10/20/60	

OCT 18 1989

HIGHLAND COUNTY
HIG-134 - (10.54)(10.89)(11.34)
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PLAN



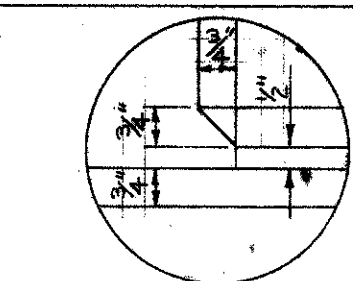
ELEVATION

NOTES

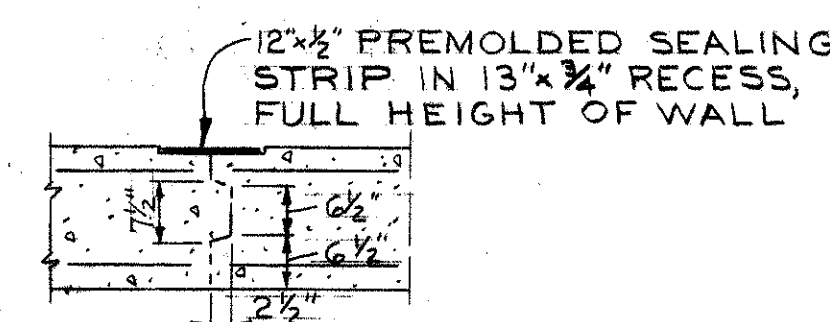
F.S. INDICATES FAR SIDE AND N.S. INDICATES NEAR SIDE.

POROUS BACKFILL, 2 FEET THICK, FULL LENGTH OF ABUTMENT & WINGS, SHALL EXTEND UP TO EL. 997.7

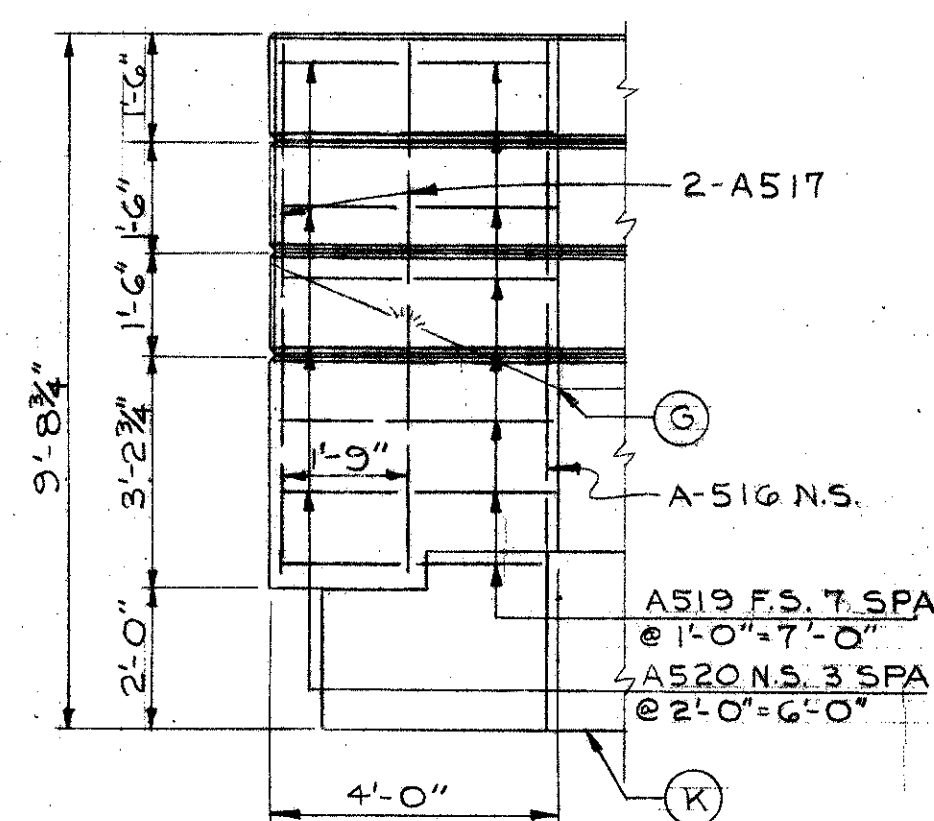
ELEVATIONS										
LOCATION	A	B	C	D	E	F	G	H	J	K
REAR ABUTMENT	1001.48	999.74	1001.12	1001.55	999.82	1001.16	993.3	992.6	994.5	988.5
FORWARD ABUTMENT	1001.48	999.75	1001.08	1001.40	999.67	1001.03	992.7	993.4	994.5	988.5



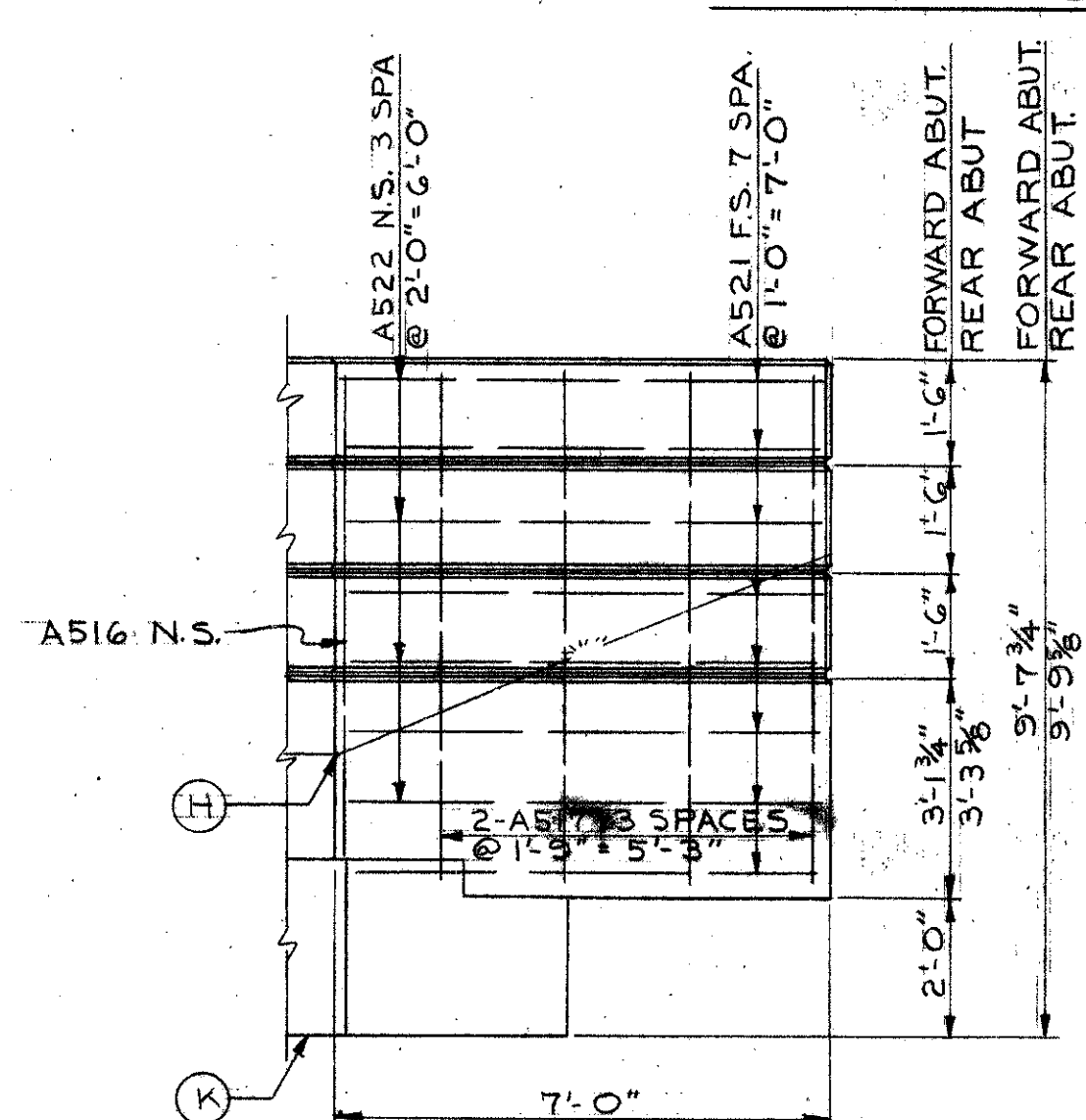
DETAIL D



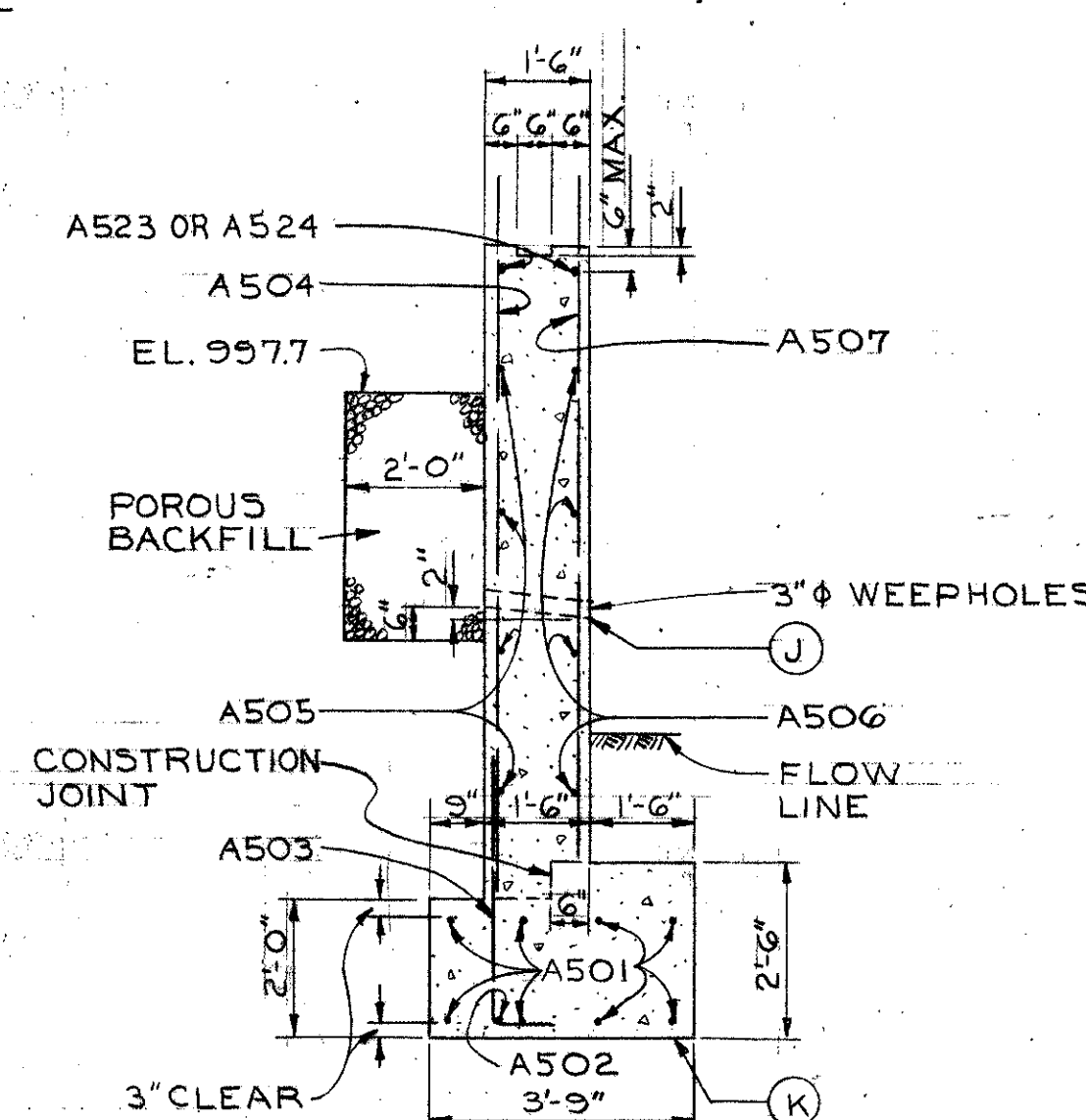
SECTION EE
CONTRACTION JOINT



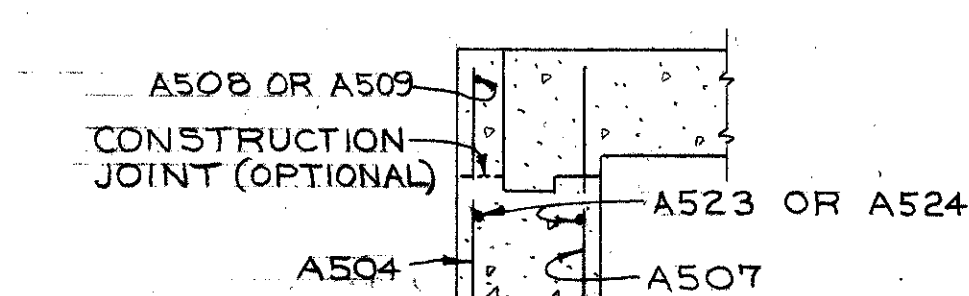
VIEW A-A



VIEW B-B



SECTION C-C



SECTION F-F

A. M. KINNEY ASSOCIATES
ARCHITECTS AND ENGINEERS
CINCINNATI • NEW YORK
A. M. KINNEY, ENGINEER • CHARLES BURCHARD, ARCHITECT

ABUTMENT DETAILS

BRIDGE NO. HIG-134-1136
OVER
BRANCH OF LITTLE NORTH FORK
HIGHLAND CO. STATE ROUTE 134
STA 599 + 86.00

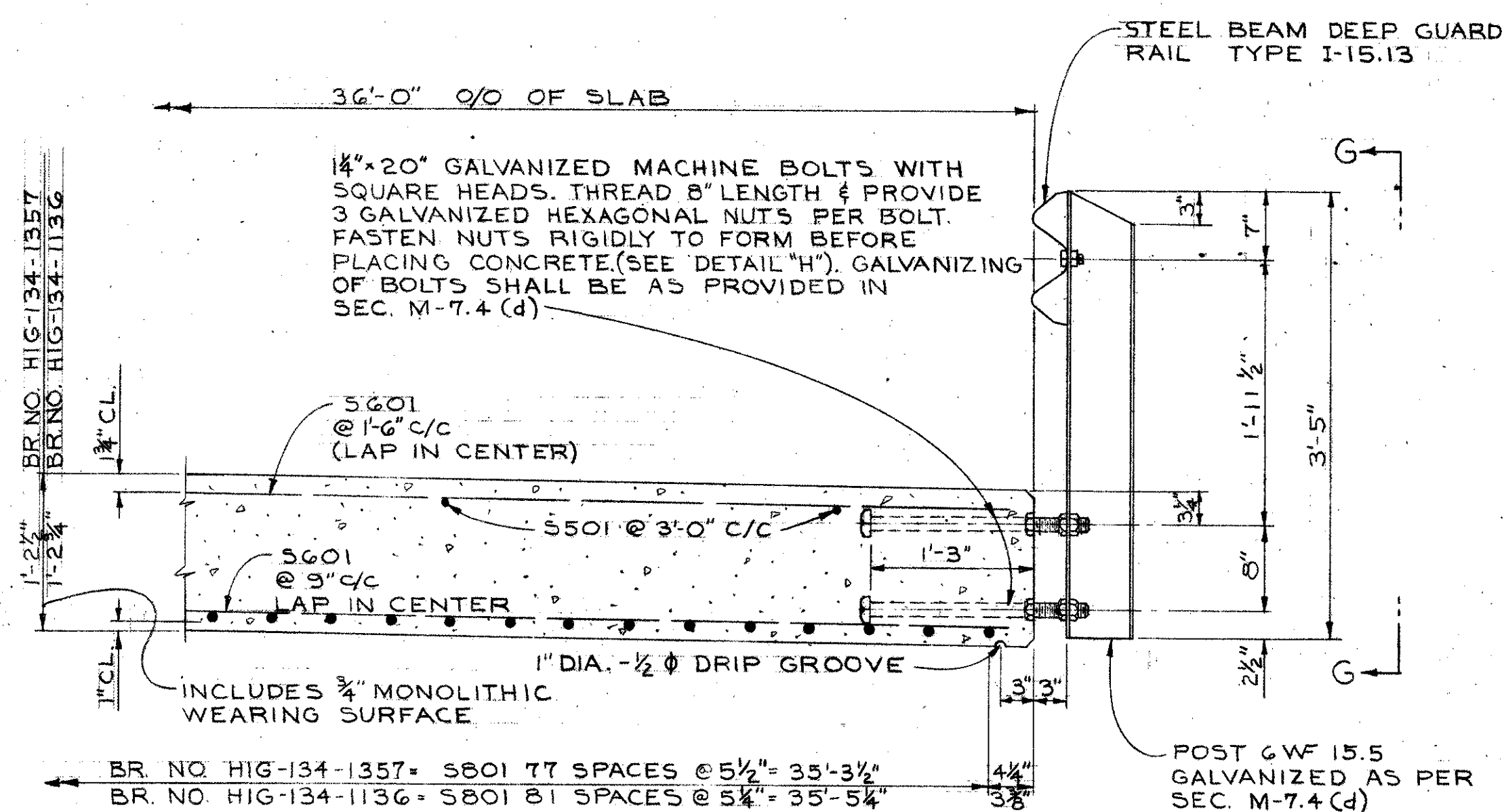
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
R.D.	R.D.		E.M.	Ed.T.	10/20/80

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

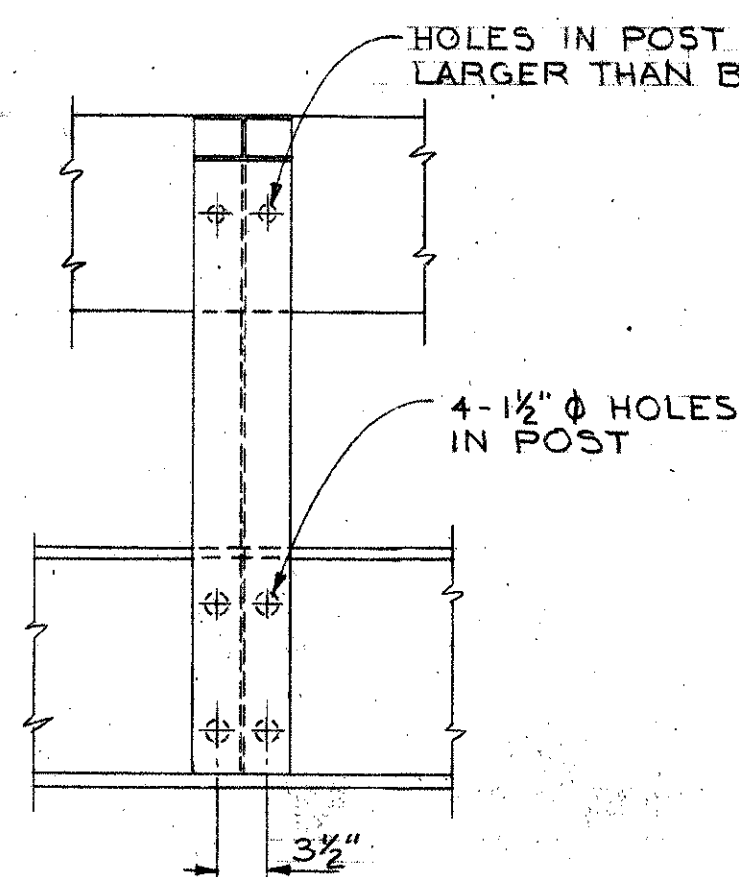
42
50

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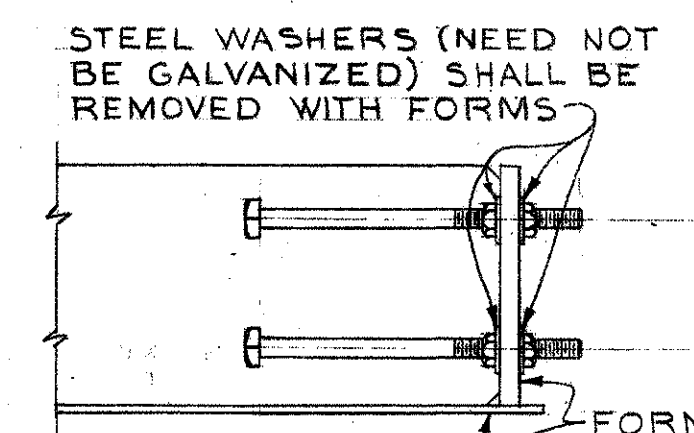


PART SECTION OF SUPERSTRUCTURE

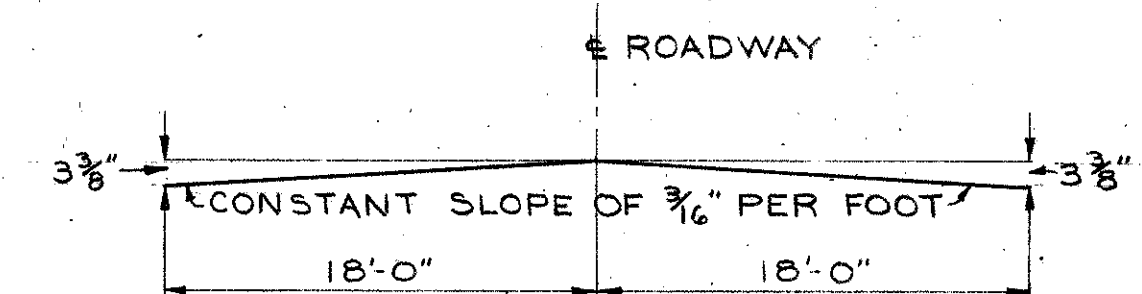


VIEW G-G

LONGITUDINAL CONSTR JOINT IN SUPERSTRUCTURE SLAB



DETAIL H



BRIDGE ROADWAY CROWN

A. M. KINNEY ASSOCIATES
ARCHITECTS AND ENGINEERS
CINCINNATI • NEW YORK
A. M. KINNEY, ENGINEER • CHARLES BURCHARD, ARCHITECT

SUPERSTRUCTURE DETAILS
BRIDGE NO. HIG-134-1136
AND
BRIDGE NO. HIG-134-1357

HIGHLAND CO. STA. 599 + 86.00 STATE ROUTE 134 STA. 716 + 67.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.D.	R.D.		E.M.	C.T.T.	10/20/60	

