

LIMITED ACCESS

This improvement has been declared a limited access highway or freeway by action of the Director of Highways in accordance with the provisions of Section-5511.02, Revised Code of Ohio, and is especially designed for through traffic.

MICROFILMED
NOV 16 1987

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

I-1105(23)
C-72

FED. RD.	STATE	PROJECT
2	OHIO	I-1105(23)

1
249

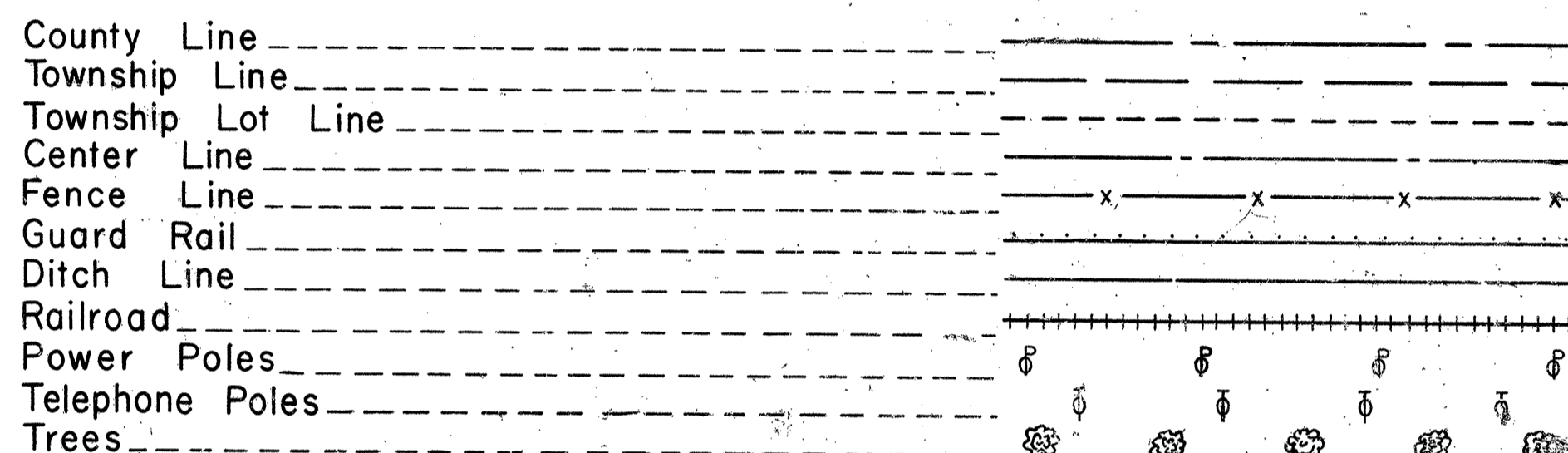
MEDINA COUNTY
MED-1-1.42

MED-1-1.42
MEDINA COUNTY

HARRISVILLE & WESTFIELD TOWNSHIPS

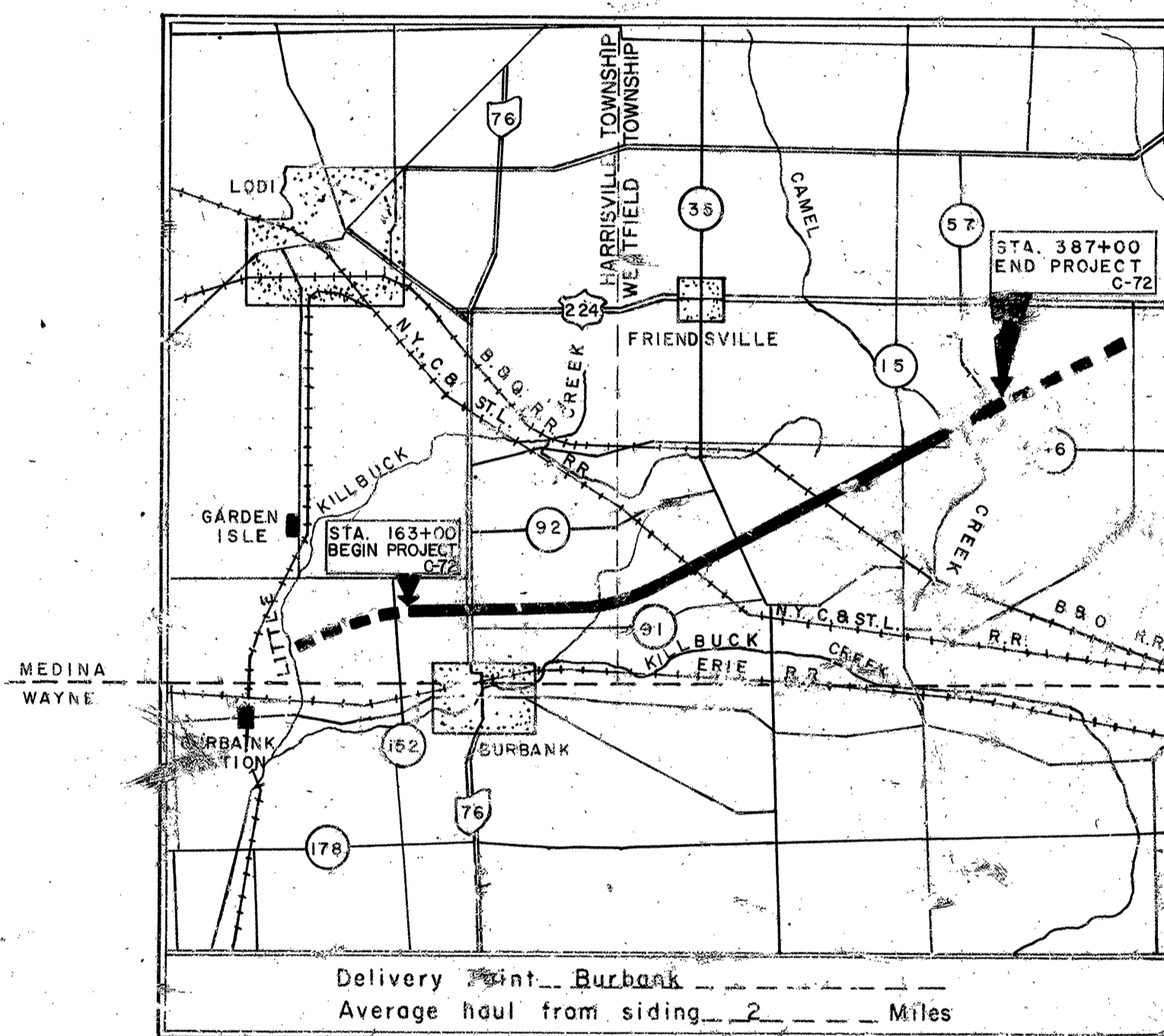
GRADE SEPARATION WITH THE NEW YORK CHICAGO AND ST. LOUIS RAILROAD
GRADE SEPARATION WITH THE BALTIMORE & OHIO RAILROAD

CONVENTIONAL SIGNS



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N.Y. C. & ST. L. R.R. Force Account Work, Sheet - 246
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LOCATION MAP

SCALE OF MILES

For Utility Information See Sheet
 Number 1 Index Sheet 12 & 15
 231, 233, 239, 241, 242,
 243, 244 & 245

The standard specifications of the State of Ohio, Department of Highways, including changes and supplemental specifications listed in the proposal shall govern this improvement.

The right of way for this improvement will be provided by the State of Ohio.

I, hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved *R. J. Lehman*
Date *11-4-57* Chief Engineer, Interstate Projects

Approved *C. H. Mahewer*
Date *11-8-57* Deputy Director, Planning and Programming

Approved *P. Maschito*
Date *11-8-57* Deputy Director, Design and Construction

Approved _____
Date _____ First Assistant Director

Approved *George Thonny*
Date *11/8/57* Acting Director of Highways

Approved _____
Date _____ Chief Engineer, The Baltimore & Ohio Railroad

Approved _____
Date _____ Chief Engineer, The New York, Chicago and St. Louis Railroad Company.

LINE DATA

Begin Project	Sta. 163+00
End Project	Sta. 387+00
Net Length of Project	22,400.00 Lin Ft. or 4.242 Miles
Begin Work	Sta. 162+50
End Work	Sta. 387+75
Net Length of Work	22,525.00 Lin Ft. or 4.266 Miles
Add for Approaches (See Sheet No. 9)	7,020.79 Lin Ft.
Total Length of Work	29,545.79 Lin Ft. or 5.595 Miles

Portion to be improved
 State Roads
 Other Roads
 Future Construction

SCALE

Plan 1"=50'
 Profile: Horizontal 1"=50'
 Profile: Vertical 1"=5'

Sheet No. 11-A, 172-A, 172-B, 172-C, 172-D,
 172-A Added 3-31-58

Sheets 13, 16, 17, 48, 49, 50, 51, 56, 64, 87, 94, 95,
 99 and 100 revised 3-10-58. G.P.H.

REVISED 3-18-58. DRAWING NOS. 173 THRU
 178, 180, 182 THRU 188, 190 THRU 211, 213 THRU
 217, 219 THRU 226 & 73.

EXEMPTS. 1, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 102, 104, 116, 119, 122, 141, 165,
 175, 183, 203, 211, 22, 23, 24, 35, 36, 37, 40, 41, 45, 53, 55, 60, 62, 63, 72, 74, 75, 77, 80, 83, 90, 93, 96,
 125, 120, 154, 157, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Reviewed and Approved _____
Date *11-1-57* Engineer of Traffic

PREPARED AND RECOMMENDED BY
BEISWENGER AND HOCH
 Consulting Engineers, Akron, Ohio
 File No. MED-1-1-1
 Date of Contract _____ 19____

Supplemental Prints of Standard Construction Drawings					
HW-A & B	7-15-57	I-8 CB No. 4	6-1-57	S-27 PC. 4	1-4-54
HW-C	7-15-57	I-8 CB No. 5	6-1-57	G-7.07	6-1-56
DR-1	1-3-55	T.J.	5-1-56	F-1	4-1-57
RI-1	1-3-55	S-27 PC. 3	2-20-45	SP 53	7-21-53
T-35	1-2-56	I-1,2,3,4 & 5	2-20-45	B-T-50-70-71E.No.1	10-1-47
L-1	4-1-50	I-14G	1-22-52	I-8 CB 2-A & B	8-1-56
L-3	4-1-50	I-15 No. 1	8-1-55	I-8 M.H. No. 1-A	1-3-55
L-3-A	4-1-50	I-8 M.H. No. 1	5-1-52	I-8 CB No. C	5-1-52
L.J. No. 1	7-1-55	I-15 No. 2-A	6-1-57	I-12	7-1-54
B-T-71R	3-2-53	I-15 No. 2-B	6-1-57		
I-8 CB No. 3	5-1-52	I-8 CB 2-3	5-1-52		

Supplemental Specifications	
E-101	1-1-57
B-119	REV. 8-11-57
S	8-2-55
IR	REV. 2-6-57
S-114	REV. 8-1-57
I-127	REV. 9-18-57
M-206.14	7-15-49
I-125	9-30-57

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED _____
 Division Engineer Date _____

JUN 9 1961
 GROUND PHOTOLAB

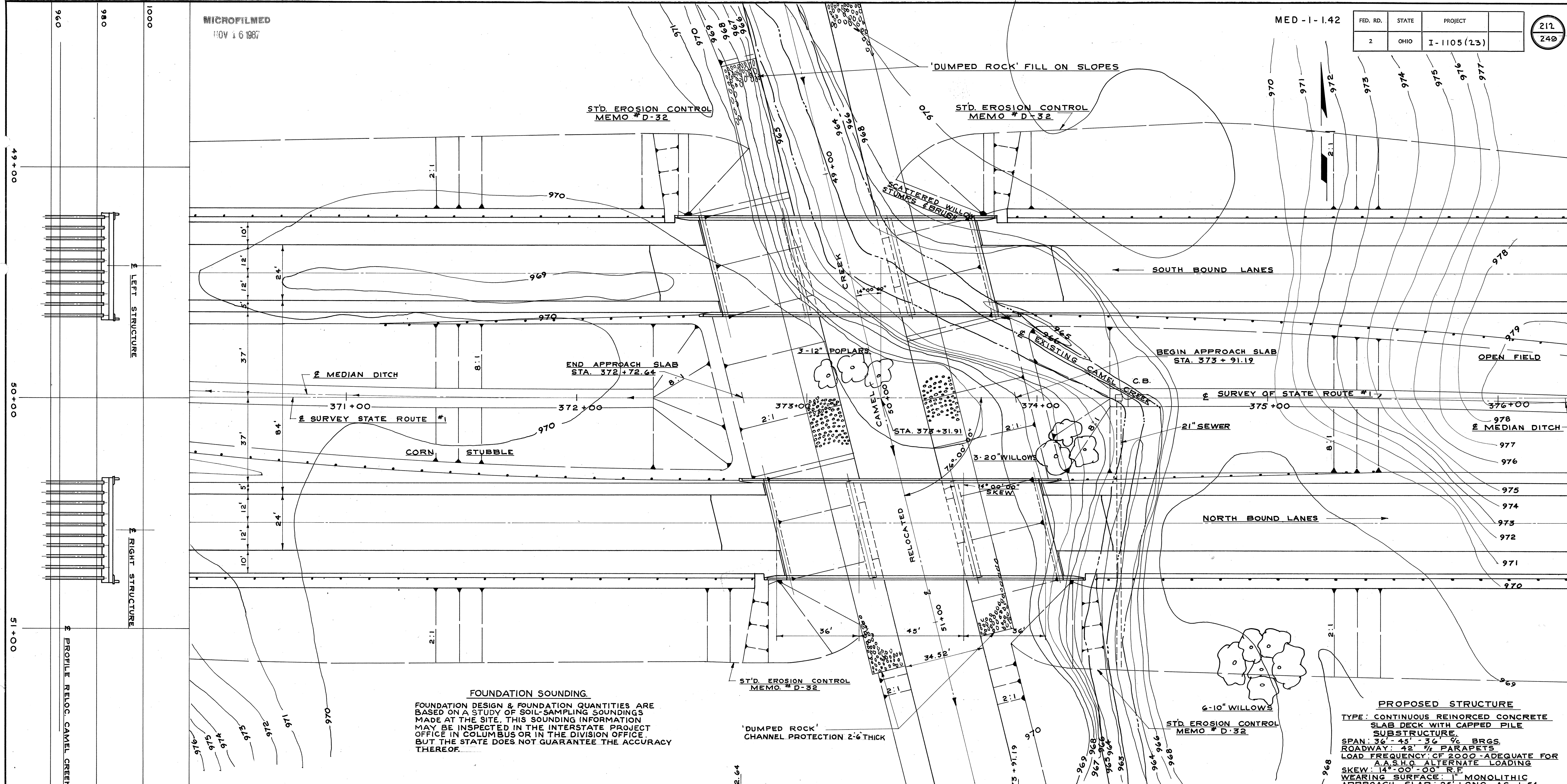
REVISED - 31, MARCH, 1958

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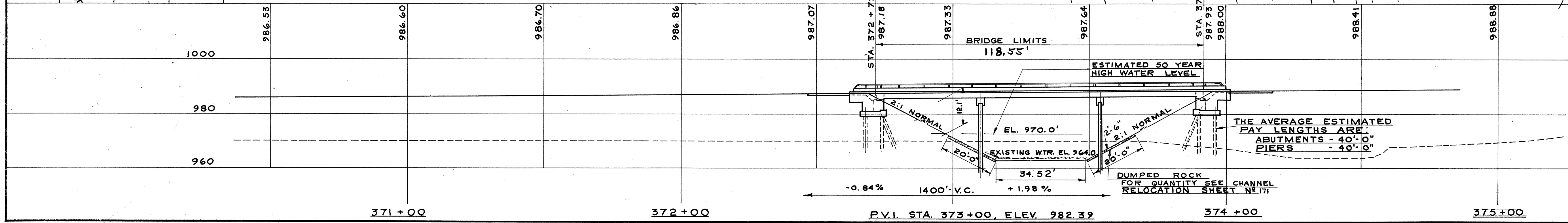
FED. RD.	STATE	PROJECT
2	OHIO	I-1105(23)

212
249



FOUNDATION SOUNDING.
FOUNDATION DESIGN & FOUNDATION QUANTITIES ARE BASED ON A STUDY OF SOIL-SAMPLING SOUNDINGS MADE AT THE SITE. THIS SOUNDING INFORMATION MAY BE INSPECTED IN THE INTERSTATE PROJECT OFFICE IN COLUMBUS OR IN THE DIVISION OFFICE. BUT THE STATE DOES NOT GUARANTEE THE ACCURACY THEREOF.

PROPOSED STRUCTURE
TYPE: CONTINUOUS REINFORCED CONCRETE SLAB DECK WITH CAPPED PILE SUBSTRUCTURE.
SPAN: 36' - 45' - 30" BRGS.
ROADWAY: 42' 3/4" PARAPETS
LOAD FREQUENCY: CF 2000-ADEQUATE FOR A.A.S.H.O. ALTERNATE LOADING
SKEW: 14°-00'-00" R.F.
WEARING SURFACE: 1" MONOLITHIC
APPROACH SLAB: 25' LONG AS-I-54
ALIGNMENT: STRAIGHT
SUPERELEVATION: NONE
DRAINAGE AREA: 10.2 SQUARE MILES @ 0.50 = 2000 C.F.S.



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES	
BEISWENGER & HOCH, Consulting Engineers AKRON, OHIO	
SITE PLAN	
BRIDGE NO. MED-I-0540	
OVER CAMEL CREEK	
MEDINA COUNTY	SCALE: 1" = 20'
STA. 372 + 72.64	TO STA. 373 + 91.19
DESIGNED DGS	DRAWN GASNILL
TRACED DYE	CHECKED DHC
REVIEWED	DATE
REVISED	

MED-1-1.42

GENERAL NOTES

SLOPE FACING:-
ONE FOOT DEEP, EXTENDING FROM FACE OF ABUTMENT TO THE TOP EDGE OF DUMPED ROCK FILL, SHALL BE PROVIDED AT EACH ABUTMENT FOR FULL WIDTH OF BRIDGE PLUS THREE FEET ON EACH SIDE OF THE BRIDGE AND PARALLEL WITH ϕ OF SUPERSTRUCTURE.

PILES:-
ALL PILES TO BE 14" MIN. TOP DIAMETER CAST-IN-PLACE CONCRETE PILES DRIVEN TO A MINIMUM BEARING CAPACITY OF 40 TONS.

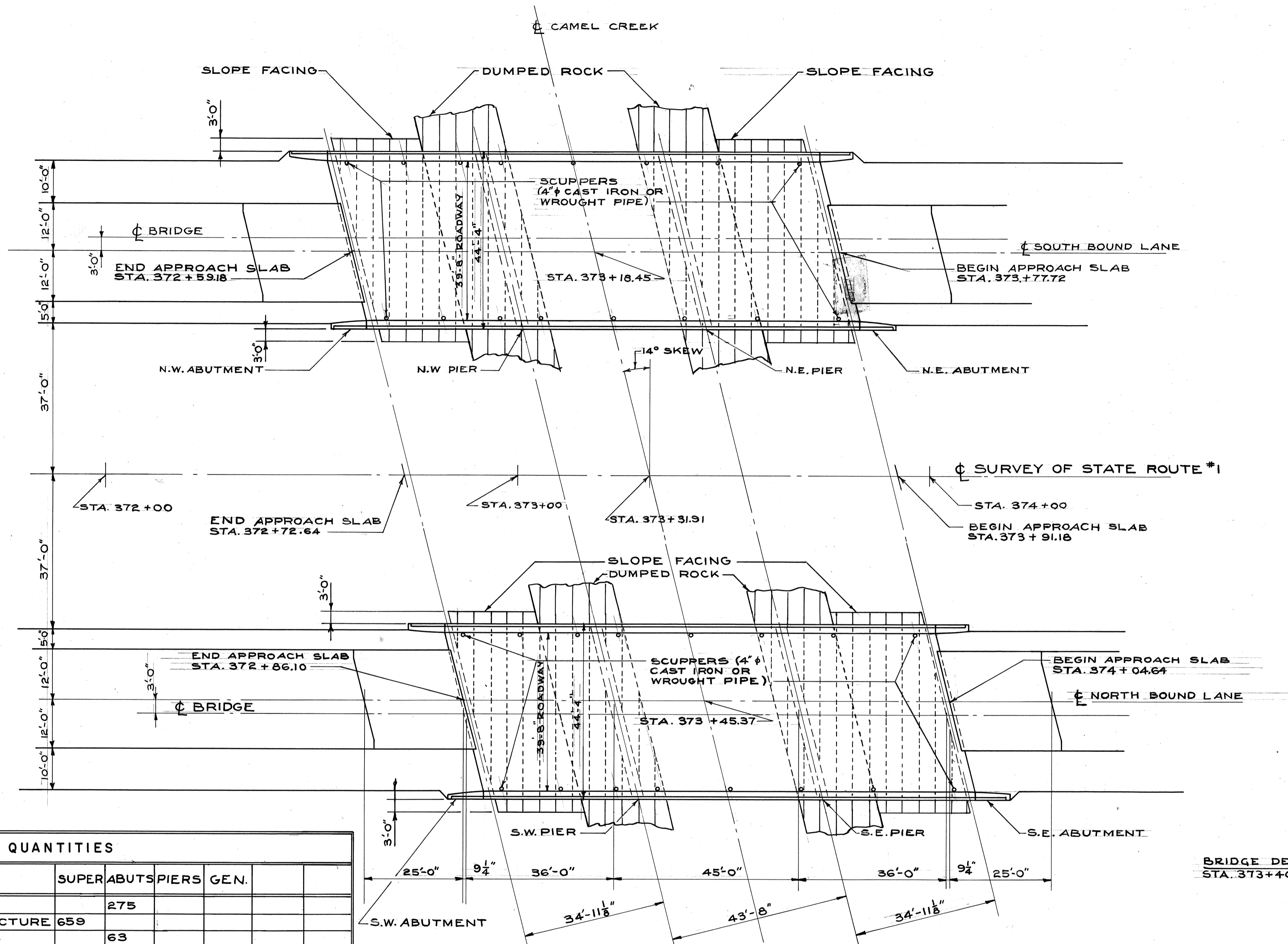
DESIGN SPECIFICATIONS:-
THIS STRUCTURE CONFORMS TO THE REQUIREMENTS OF DESIGN SPECIFICATIONS FOR HIGHWAY STRUCTURES OF THE STATE OF OHIO DEPARTMENT OF HIGHWAYS DATED 10-1-31

CONCRETE DECK PLACING:-
IN ORDER TO FACILITATE WATER CURING OF THE CONCRETE OF THE SLAB, THE PLACING OF THE CONCRETE SHALL PROGRESS UP GRADE.

EXCAVATION QUANTITY:-
INCLUDES THE REMOVAL OF FILL MATERIAL BETWEEN THE SURFACE OF THE PROPOSED EMBANKMENT AND THE BOTTOM OF THE ABUTMENT. BACKFILL BEHIND THE ABUTMENTS SHALL BE MADE WITH MATERIAL MEETING THE REQUIREMENTS OF SECTION I-22 AND SHALL BE COMPACTED IN ACCORDANCE WITH REQUIREMENTS FOR EMBANKMENT COMPACTION. PAYMENT FOR BACKFILL SHALL BE INCLUDED WITH ITEM E-2 UNCLASSIFIED EXCAVATION.

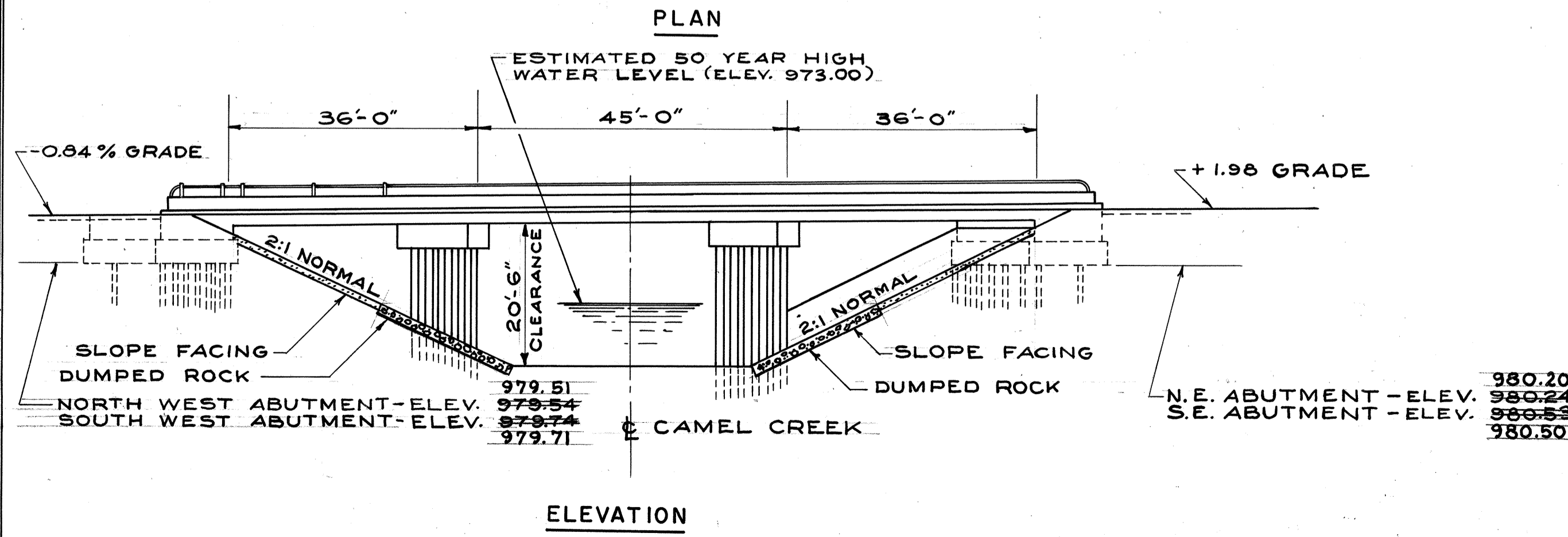
SEE DWG. NO. P-1-54 FOR CAPPED PILE PIERS-DATE 7-1-54
SEE DWG. NO. AR-1-57 FOR RAILING DETAILS-DATE 4-9-57
SEE DWG. NO. CS-2-54 FOR 4" SCUPPER DETAILS-DATE 12-1-54
SEE DWG. NO. 227 FOR STD. DETAILS-THIS SET OF PLANS.
SEE SUPPLEMENTAL SPECIFICATIONS 9-114 DATE 8-30-55 & I-127 DATE 8-2-57

THERE SHALL BE A MINIMUM TIME LAPSE OF 5 MONTHS BETWEEN PLACING OF EMBANKMENT & DRIVING OF ABUTMENT PILES.



BRIDGE DELINEATORS PLACED AT STA. 373+40 LEFT & RIGHT.

ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPER	ABUTS	PIERS	GEN.
E-2	275	CU.YDS	UNCLASSIFIED EXCAVATION		275		
S-1	659	CU.YDS	CLASS "C" CONC. SUPERSTRUCTURE	659			
S-1	63	CU.YDS	CLASS "E" CONC. ABUTMENTS	63			
S-1	33	CU.YDS	CLASS "C" CONC. PIER CAPS			33	
S-1	82	CU.YDS	CLASS "E" CONC. ABUTMENT FOOTINGS	82			
	188,148			162,800	15,465	9883	
S-4	167,055	LBS.	REINFORCING STEEL	162,099	15,563	9393	
S-14	539	LIN.FT.	RAILING (ALUM. RAIL & SUPPORTS- CONC. PARAPETS, END POSTS & REINFORCING STEEL.)	539			
S-16	LUMP	SUM	FIRST TEST PILE				LUMP
S-18	3,040	LIN.FT.	14" CAST IN PLACE CONC. PILES	1,440	1,600		
S-29	33	CU.YDS	POROUS BACKFILL	33			
S-29	184	CU.YDS	SLOPE FACING (S-29.05 TYPE)	184			
S-29	32	EACH	SCUPPERS	32			
I-127	2	EACH	BRIDGE DELINEATORS	2			

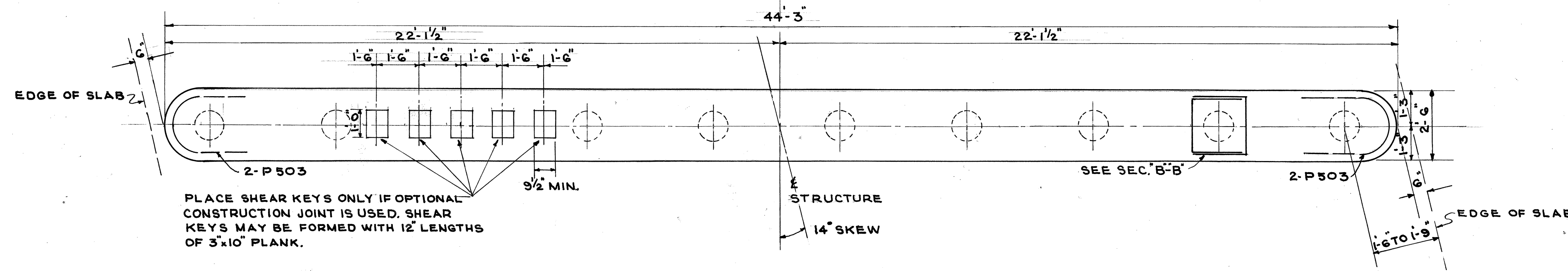


STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

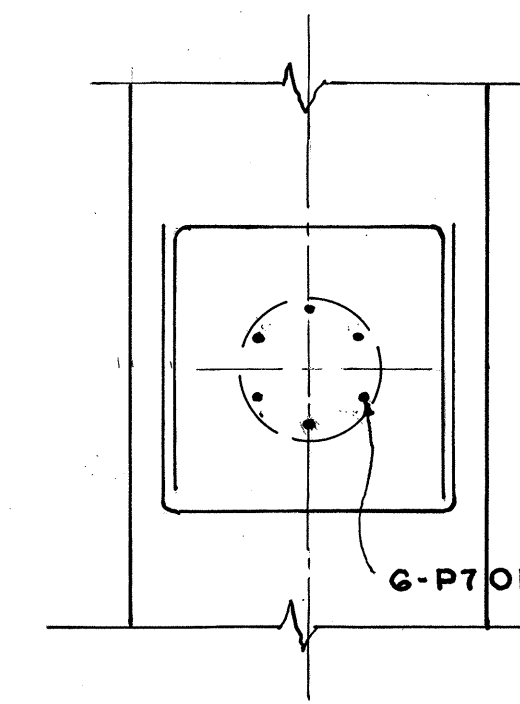
BEISWENGER & HOCH, Consulting Engineers
AKRON, OHIO

GENERAL PLAN & ELEVATION
BRIDGE NO. MED-1-0540
OVER CAMEL CREEK
MEDINA COUNTY
STA. 372+72.64 TO STA. 373+91.19

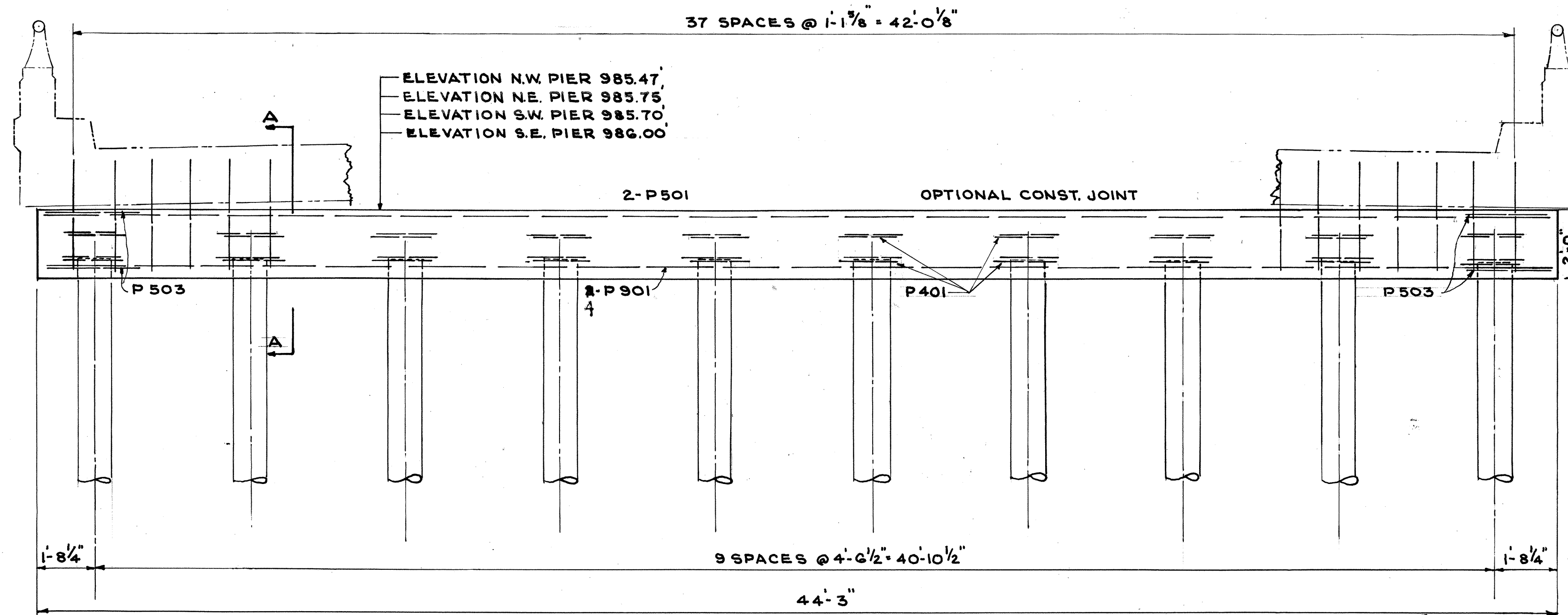
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DGS	KENSEL	AC	DHC			3-18-58



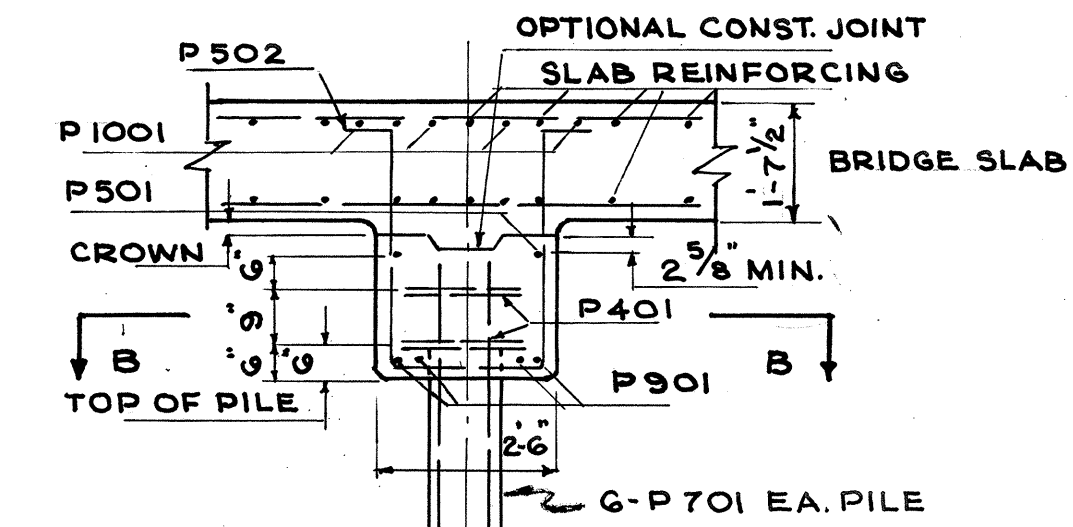
PLAN



SECTION B-B

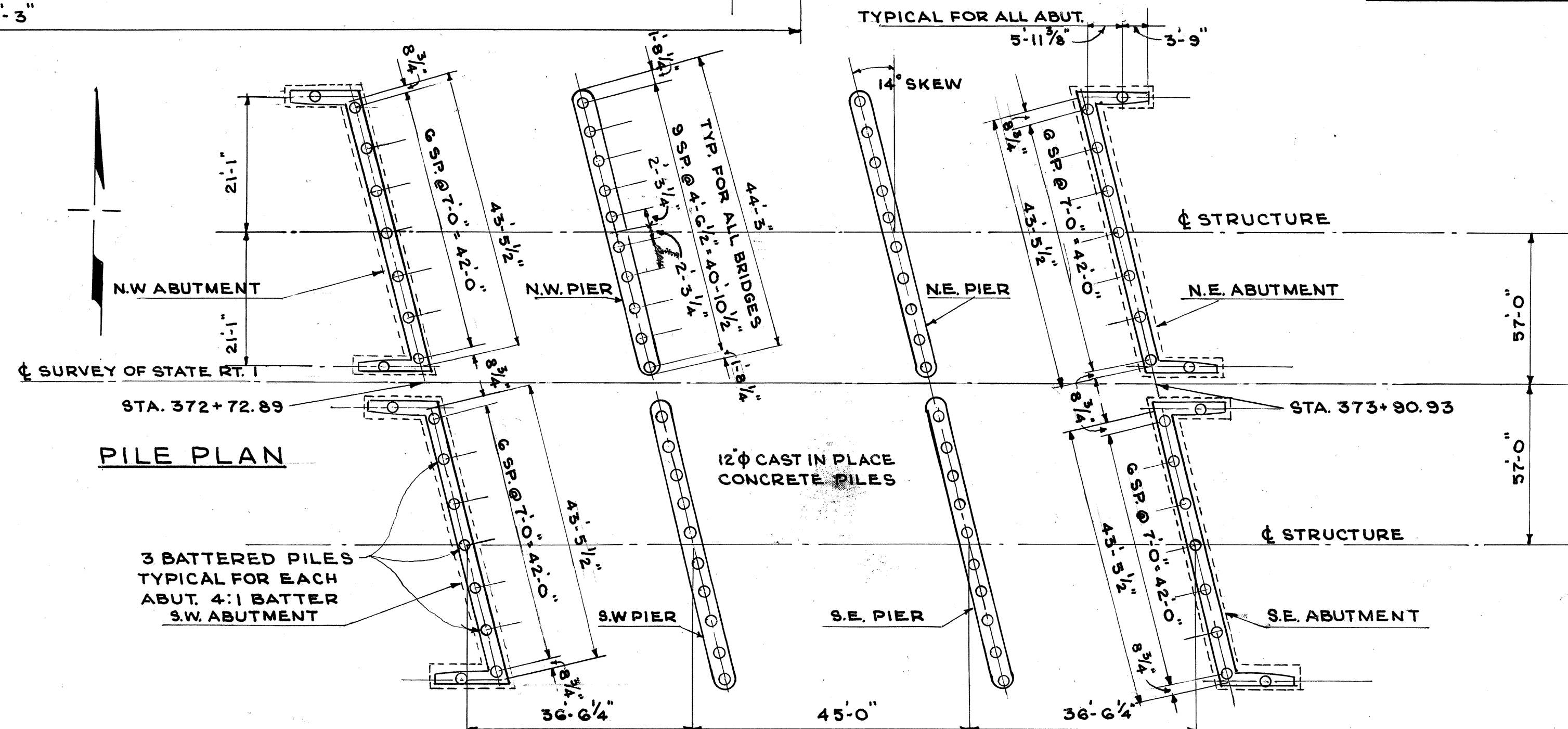


ELEVATION



SECTION A-A

PIER PILE ENCASEMENT AS SHOWN ON STD. DWG. P-1-54 MAY BE OMITTED PROVIDED THAT THE TAPERED PORTION, IF ANY, OF ALL PIER PILES DOES NOT EXTEND ABOVE THE STREAM BED OR THE PROPOSED SURFACE OF THE GROUND. IF THE TAPERED PORTION OF ANY PILE EXTENDS ABOVE THESE LIMITATIONS, THE ENCASEMENT WILL BE REQUIRED FOR ALL THE PIER PILES. IF THIS ENCASEMENT IS OMITTED THE PILE CASINGS SHALL HAVE A THICKNESS OF METAL NOT LESS THAN #7 GAUGE AND THE PAINTING OF THE PILES SHALL EXTEND TO LOW WATER ELEVATION OR, IF THE PROPOSED SURFACE OF THE GROUND IS ABOVE LOW WATER, THE PAINTING SHALL EXTEND TO AT LEAST ONE (1) FOOT BELOW THE PROPOSED SURFACE OF THE GROUND.



PILE PLAN

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES						
BEISWENGER & HOCH, Consulting Engineers AKRON, OHIO						
PIER DETAILS BRIDGE NO. MED-1-0540 OVER CAMEL CREEK MEDINA COUNTY STA. 372+72.64 TO STA. 373+91.19						
DESIGNED DGS	DRAWN BROWN KENESE	TRACED BROWN	CHECKED DHC	REVIEWED	DATE	REVISED 3-75-55

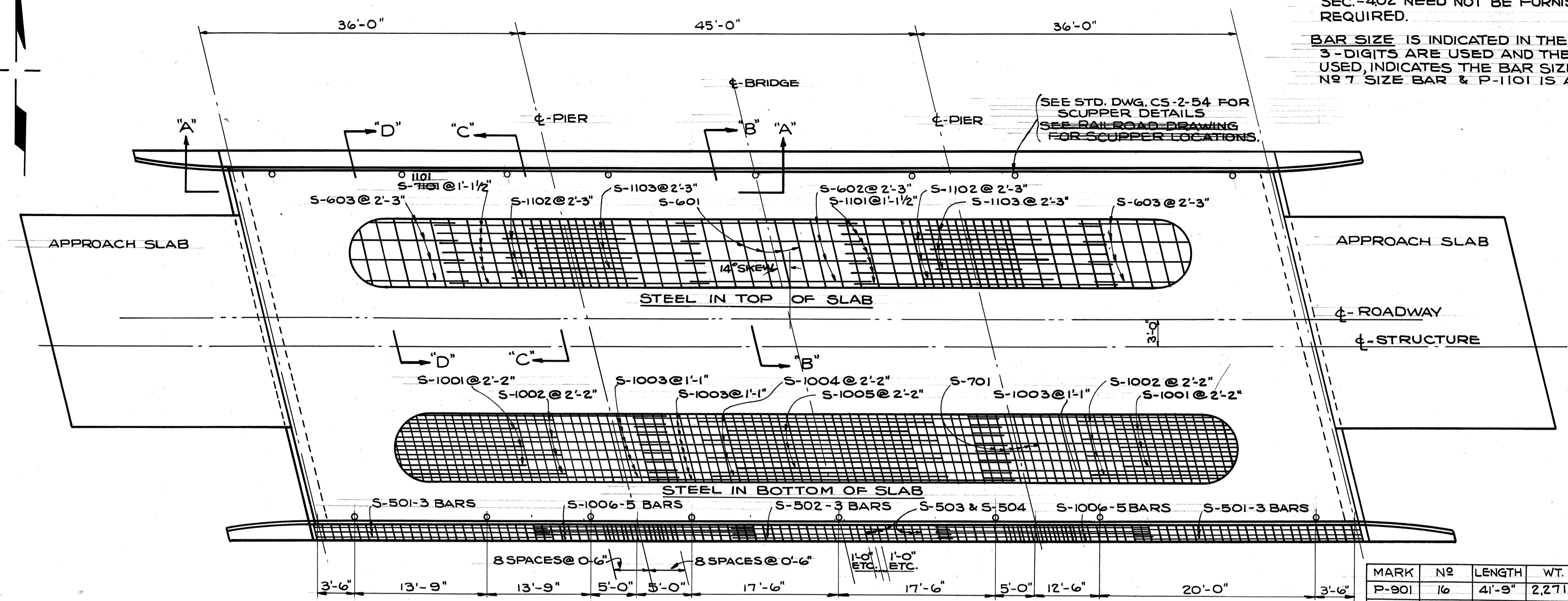
MICROFILMED
NOV 16 1987

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.-402 NEED NOT BE FURNISHED & REPLACEMENT BARS WILL NOT BE REQUIRED.

BAR SIZE IS INDICATED IN THE BAR MARK. THE FIRST DIGIT, WHERE 3-DIGITS ARE USED AND THE FIRST 2-DIGITS WHERE FOUR ARE USED, INDICATES THE BAR SIZE NUMBER; FOR EXAMPLE, S-701 IS A NO. 7 SIZE BAR & P-1101 IS A NO. 11 SIZE BAR.

FED. RD.	STATE	PROJECT	216 249
2	OHIO	I-1105(13)	

MED-1-1.42

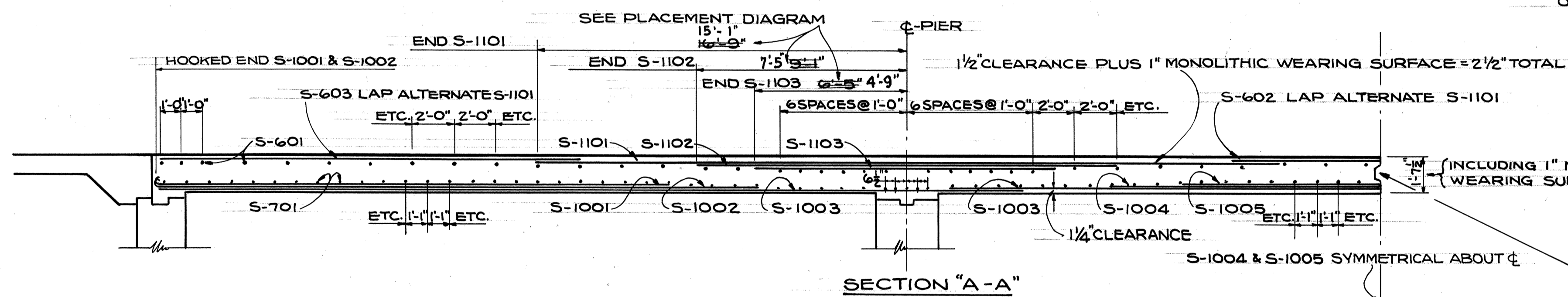


PLAN OF SOUTH STRUCTURE-AS SHOWN
PLAN OF NORTH STRUCTURE-SIMILAR

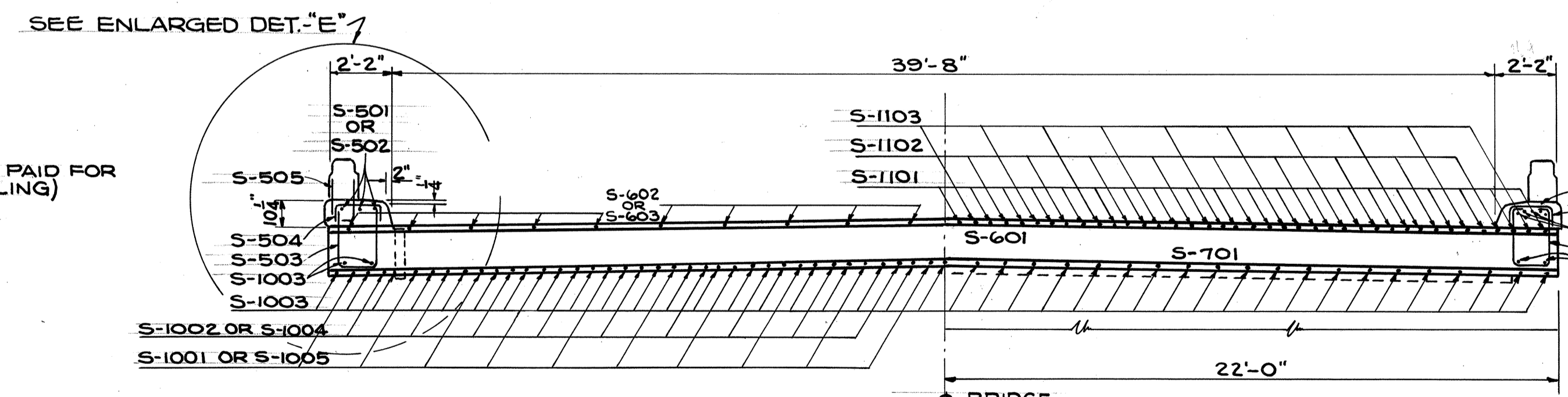
REINFORCING STEEL LIST				
MARK	NO	LENGTH	WT.	SHAPE
SLAB				
S-501	24	25'-10"	648#	ST.
S-502	12	23'-5"	294	ST.
S-503	552	6'-0"	3,446	BENT
S-504	552	2'-6"	1,440	BENT
S-505	344	4'-5"	1,585	BENT
S-601	146	44'-10"	9,831	ST.
S-602	40	16'-5"	987	ST.
S-603	80	23'-5"	2,814	ST.
S-701	232	44'-10"	21,259	ST.
S-1001	80	26'-1"	8,978	BENT
S-1002	80	29'-9"	10,242	BENT
S-1003	270	41'-6"	48,216	ST.
S-1004	40	26'-0"	4,475	ST.
S-1005	40	19'-10"	3,414	ST.
S-1006	40	24'-9"	4,260	ST.
S-1101	160	33'-0"	27,352	ST.
S-1102	80	17'-5"	7,404	ST.
S-1103	80	12'-10"	5,454	ST.
PIERS				
P-401	160	5'-9"	615	BENT
P-501	8	41'-9"	348	ST.
P-502	152	9'-4"	1,480	BENT
P-503	16	7'-2"	120	BENT
RAILING				
R-501	344	1'-6"		BENT
R-502	112	15'-4"		ST.
R-503	32	11'-8"		ST.
ABUTMENT				
A-501	48	23'-10"	1,193	ST.
A-502	184	4'-6"	864	BENT
A-503	112	5'-0"	682	BENT
A-504	368	2'-8"	1,024	ST.
A-505	8	12'-10"	108	ST.
A-506	32	3'-10"	128	BENT
A-507	32	9'-3"	309	ST.
A-508	16	0'-11"	15	ST.
A-509	16	1'-1"	17	ST.
A-510	16	1'-3"	20	ST.
A-511	16	1'-5"	22	ST.
A-512	16	1'-7"	25	ST.
A-513	16	9'-10"	164	BENT
A-514	160	2'-11"	487	BENT
A-515	24	3'-11"	98	BENT
A-516	48	10'-6"	526	ST.
A-517	112	2'-2"	217	ST.
A-601	80	24'-0"	2,884	ST.
A-602	284	5'-9"	2,453	BENT
A-603	240	7'-4"	2,644	BENT
A-604	80	10'-10"	1,302	ST.
A-518	8	6'-8"	57	ST.
A-519	24	3'-11"	98	BENT
A-520	16	8'-8"	145	BENT
A-521	24	3'-3"	81	ST.

MARK	NO	LENGTH	WT.	SHAPE
P-901	16	41'-9"	2,271	ST.
P-1001	16	44'-10"	3,087	ST.
P-701	240	4'-0"	7,442	ST.

* TO BE PAID FOR AS PART OF ITEM S-14 (RAILING)

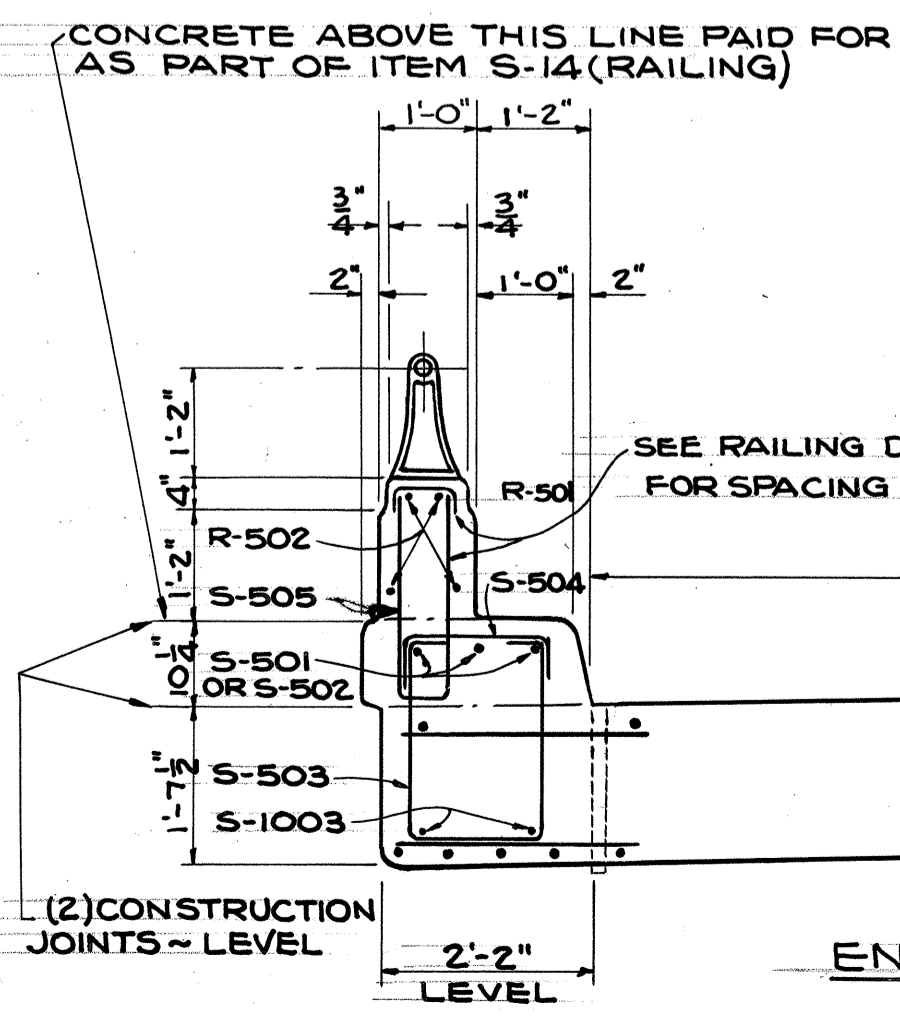


SECTION "A-A"

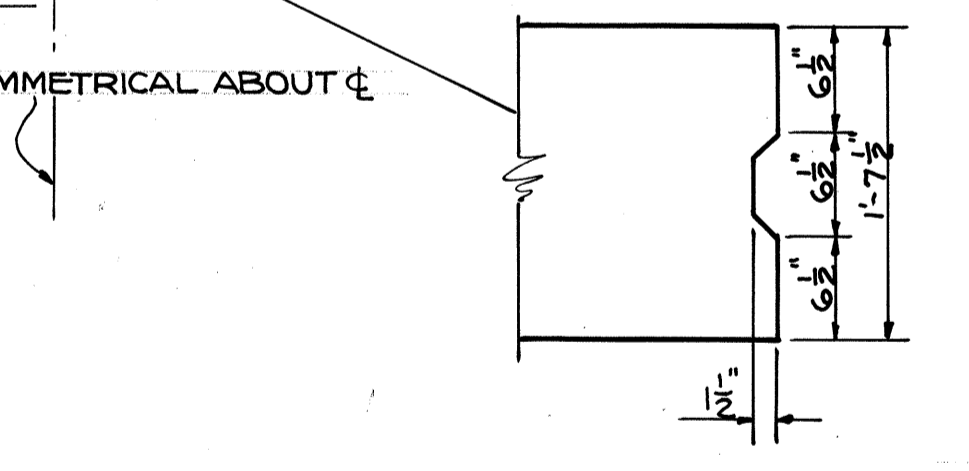


SECTION "B-B" & "D-D"

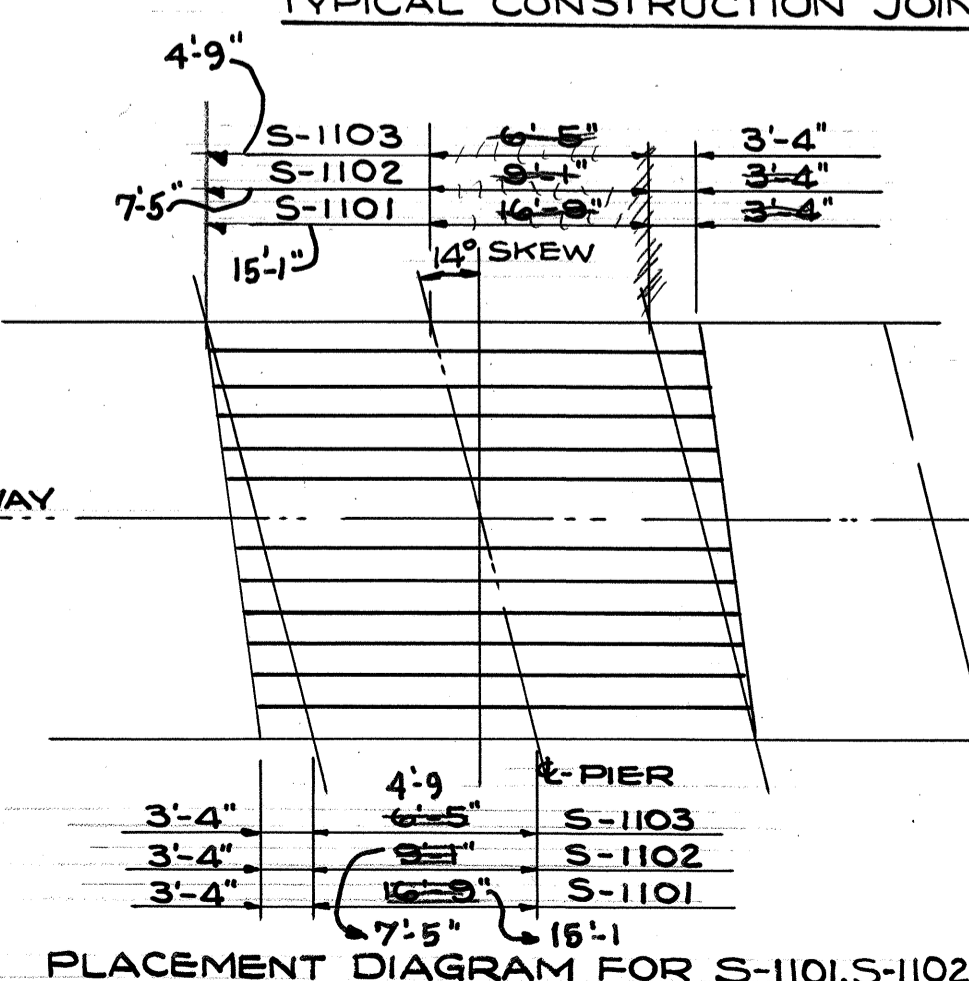
SECTION "C-C"



ENLARGED DETAIL "E"

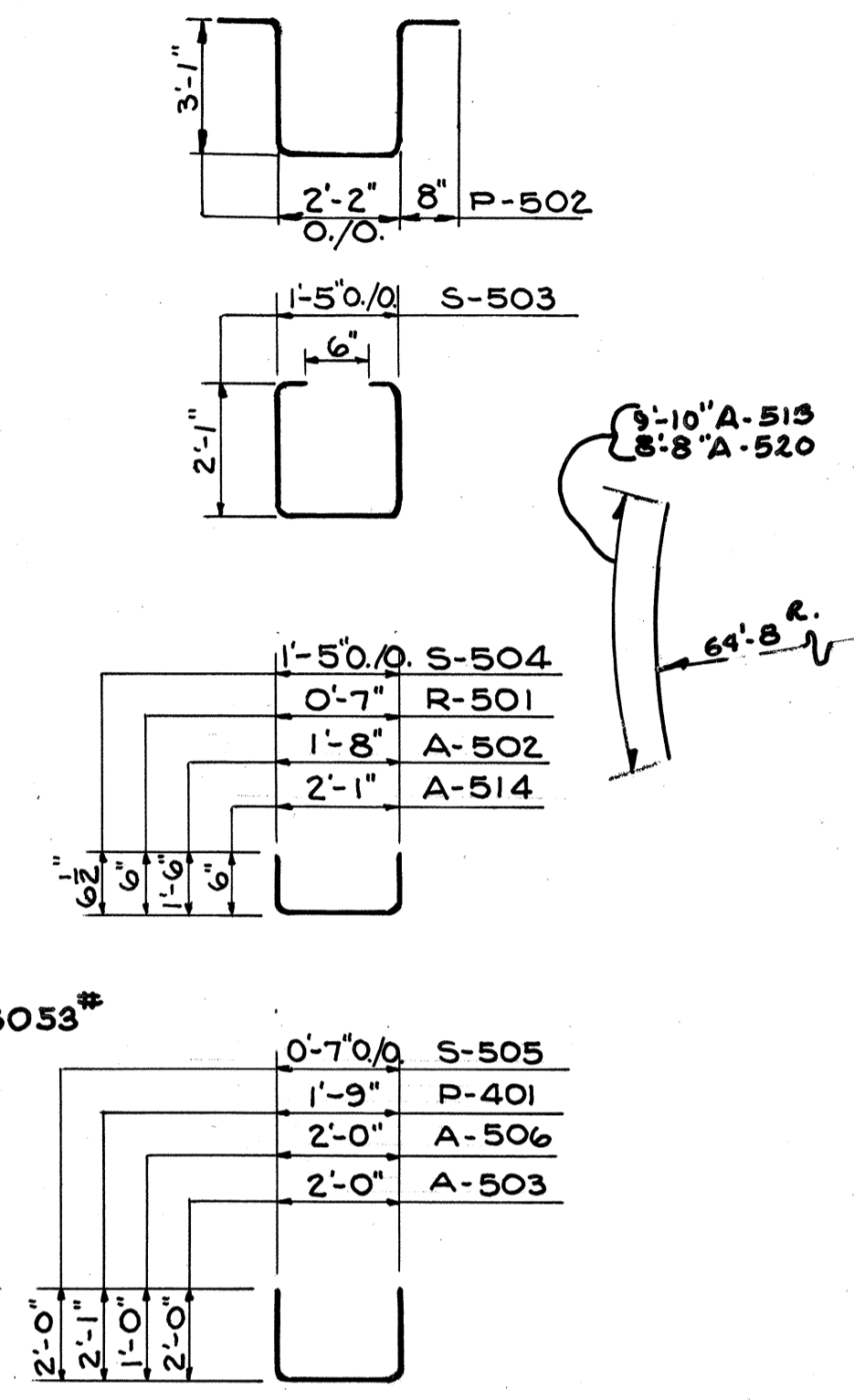


TYPICAL CONSTRUCTION JOINT



PLACEMENT DIAGRAM FOR S-1101, S-1102 & S-1103

MARK	NO	LENGTH	WT.	SHAPE
R-501	344	1'-6"		BENT
R-502	112	15'-4"		ST.
R-503	32	11'-8"		ST.



STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

BEISWENGER & HOCH, Consulting Engineers
AKRON, OHIO

SUPERSTRUCTURE DETAILS
BRIDGE NO. MED-1-0540
OVER CAMEL CREEK

MEDINA COUNTY SCALE: 1" = 20'
STA. 372 + 72.64 TO STA. 373 + 91.19

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DGS	SEM	GABE	DHC			3-18-88

