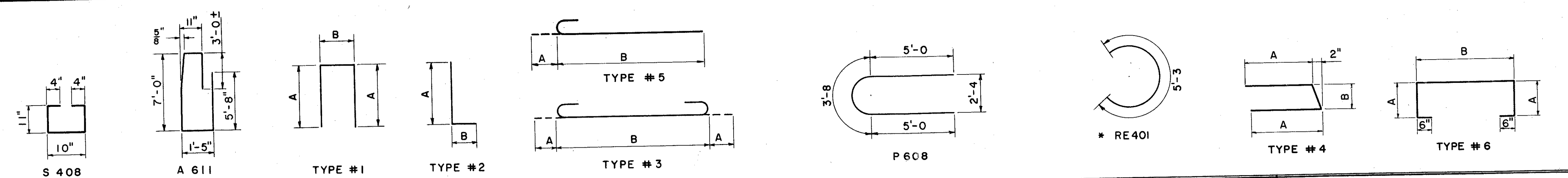


LAKE COUNTY
SEC. LAK - 2-1035



| REINFORCING STEEL LIST | | | | | | | | | | | | | | | PIERS | | | | | REPLACEMENT BARS | | | | | | | | | | | | | | |
|------------------------|----------|----------|-------|---------|----------------|------|--------|-------|-----------|------------|--------|------|-----------------|--------|------------------|-------|--------|-----------|------------|------------------|--------------|--------|--------|-------|---------|--------|--------|-------|-------|---------|---|-------|--|------|
| ABUTMENTS | | | | | SUPERSTRUCTURE | | | | | PIERS | | | | | REPLACEMENT BARS | | | | | | | | | | | | | | | | | | | |
| MARK | ABUT. #1 | ABUT. #2 | TOTAL | LENGTH | WEIGHT | TYPE | A | B | VARIES BY | NO. of Ea. | MARK | No. | LENGTH | WEIGHT | TYPE | A | B | VARIES BY | NO. of Ea. | MARK | No. | LENGTH | WEIGHT | TYPE | | | | | | | | | | |
| A 601 | 30 | 30 | 60 | 33'-4" | 3,004 | Str. | | | | | S 701 | 840 | 32'-0" | 54,943 | Str. | | | | | P 701 | 120 | 120 | 120 | 360 | 10'-2" | 7,481 | #3 | 10" | 8'-6" | RE 400 | 1 | 5'-3 | | Str. |
| A 602 | 144 | 144 | 288 | 9'-3" | 4,001 | #1 | 2'-0" | 5'-6" | | | S 701A | 136 | 6'-9" to 31'-6" | 5,316 | Str. | | | | | P 1102 | 48 | 48 | 48 | 144 | 7'-4" | 5,611 | #2 | 6'-6" | 1'-0" | RE 401 | 1 | 5'-3 | | * |
| A 503 | 60 | 60 | 120 | 9'-3" | 1,158 | #1 | 4'-0" | 1'-6" | | | S 701B | 48 | 6'-0" | 589 | Str. | | | | | P 1003 | 16 | 16 | 16 | 48 | 7'-0" | 1,446 | #2 | 6'-2" | 1'-0" | RE 500 | 1 | 5'-7 | | Str. |
| A 504 | 177 | 177 | 354 | 6'-3" | 2,308 | Str. | | | | | S 602 | 840 | 32'-0" | 40,374 | Str. | | | | | P 1104 | 48 | 48 | 48 | 144 | 17'-10" | 13,644 | Str. | | | RE 600 | 7 | 5'-11 | | Str. |
| A 605A | 8 | 8 | 16 | 12'-6" | 300 | Str. | | | | | S 602A | 136 | 6'-9" to 31'-6" | 3,909 | Str. | | | | | P 1005 | 16 | 16 | 16 | 48 | 17'-10" | 3,683 | Str. | | | RE 700 | 4 | 6'-3 | | Str. |
| A 605B | 8 | 8 | 16 | 15'-0" | 360 | Str. | | | | | S 603A | 248 | 40'-0" | 14,910 | Str. | | | | | P 1106 | 16 | 16 | 16 | 48 | 23'-0" | 5,866 | Str. | | | RE 800 | 1 | 6'-6 | | Str. |
| A 606 | 20 | 20 | 40 | 7'-9" | 466 | #1 | 2'-0" | 4'-0" | | | S 603B | 116 | 30'-0" | 50,320 | Str. | | | | | P 1107 | 4 | 4 | 4 | 12 | 30'-0" | 1,913 | Str. | | | | | | | |
| A 507 | 16 | 16 | 32 | 7'-3" | 242 | #1 | 3'-0" | 1'-6" | | | S 604 | 138 | 38'-0" | 7,882 | Str. | | | | | P 608 | 6 | 6 | 6 | 18 | 13'-8" | 3,399 | Bent | | | RE 1000 | 1 | 7'-3 | | Str. |
| A 508 | 40 | 40 | 80 | 9'-3" | 772 | #2 | 8'-10" | 6" | | | S 405 | 1312 | 1'-8" | 1,458 | #2 | 1'-3" | 6" | | | P 509 | 4 | 4 | 4 | 12 | 38'-0" | 476 | Str. | | | RE 1100 | 2 | 7'-7 | | Str. |
| A 509 | 89 | 89 | 178 | 7'-3" | 1,346 | #1 | 2'-0" | 3'-6" | | | S 406 | 656 | 3'-9" | 1,640 | #1 | 7" | 2'-9" | | | P 1010 | 8 | 8 | 8 | 24 | 12'-8" | 1,338 | #2 | 9'-6" | 3'-6" | | | | | |
| A 510 | 60 | 60 | 120 | 31'-0" | 3,880 | Str. | | | | | S 407 | 656 | 4'-5" | 1,932 | #1 | 2'-0" | 7" | | | P 1111 | 12 | 12 | 12 | 36 | 36'-0" | 6,886 | Str. | | | | | | | |
| A 611 | 88 | 88 | 176 | 17'-8" | 4,670 | Bent | | | | | S 408 | 656 | 2'-11" | 1,276 | Bent | | | | | P 1012 | 8 | 8 | 8 | 24 | 12'-0" | 1,239 | Str. | | | | | | | |
| A 512A | 8 | 8 | 16 | 8'-10" | 147 | Str. | | | | | | | | | | | | | P 513 | 128 | 128 | 128 | 384 | 8'-2" | 3,271 | #1 | 2'-10" | 2'-8" | | | | | | |
| A 512B | 8 | 8 | 16 | 13'-6" | 225 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 513A | 4 | 4 | 8 | 19'-4" | 161 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 513B | 4 | 4 | 8 | 13'-10" | 115 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 513C | 4 | 4 | 8 | 12'-0" | 100 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 513D | 4 | 4 | 8 | 7'-0" | 58 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 514A | 34 | 34 | 68 | 6'-0" | 426 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 514B | 28 | 28 | 56 | 3'-6" | 204 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 515A | 7 | 7 | 14 | 12'-9" | 186 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 515B | 7 | 7 | 14 | 19'-3" | 281 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 416A | 25 | 25 | 50 | 6'-9" | 225 | #4 | 2'-10" | 1'-3" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 416B | 6 | 6 | 12 | 5'-1" | 41 | #4 | 2'-0" | 1'-3" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 417 | 35 | 35 | 70 | 6'-2" | 288 | #1 | 2'-10" | 7" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 418 | 8 | 8 | 16 | 6'-0" | 64 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 419 | 16 | 16 | 32 | 4'-0" | 85 | Str. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 520 | 2 | 2 | 4 | 4'-10" | 20 | #6 | 1'-6" | 1'-1" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 521 | 2 | 2 | 4 | 5'-9" | 24 | #6 | 1'-6" | 2'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 416C | 4 | 4 | 8 | 3'-5" | 18 | #4 | 1'-2" | 1'-3" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Weight | | | | | 25,175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | SPIRALS | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | MARK | No. | SIZE | LENGTH | CORE DIA. | PITCH | No. of TURNS | WEIGHT | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | SP 401 | 18 | 4 | 14'-3" | 32" | 4 1/2" | 41 | 4,770 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | RAILING | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | R 401A | 8 | 14'-2" | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | R 401B | 8 | 19'-1" | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | R 402A | 144 | 15'-6" | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | R 402B | 16 | 20'-6" | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Total Weight | | | | | | | | 4,770 | | | | | | | | | | | |

NOTES:

All dimensions are out to out of the bar.
 Bar Size is indicated in the bar mark. The first digit where three digits are used, and the first two where four are used, indicate the bar size number. For example, A700 is a No. 7 size bar & A1014 is a No. 10 size.
 The length shown in the bar list for the spiral bars is the distance from the top of the footing to the bottom of the cap.
 The number of turns shown is the length divided by the pitch, plus 3 turns (total number of closed coils) expressed as the nearest whole number.
 Spiral bars shall not have deformations but shall in other respects conform to Item S-4.
 1/2 closed coils shall be provided at the ends of each spiral unit.
 Four steel channel, tee or angle spacers, weighing approximately 0.68 lbs. per lin. ft., shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of spacers, based on 0.68 lbs. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.
 Replacement Bars: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.

NOTE: Railing bars are included with the railing for payment.

| APPROACH SLABS | | | | | | | | | | | | | | | | | |
|----------------|-----|-----------------------|--------|------|-------|-----------------------|-----------|------------|---------|-----|--------|--------|------|--------|-------|-----------|------------|
| MARK | NO. | LENGTH | WEIGHT | TYPE | A | B | VARIES BY | NO. of Ea. | MARK | NO. | LENGTH | WEIGHT | TYPE | A | B | VARIES BY | NO. of Ea. |
| AP 801A | 208 | 25'-6" | | #5 | 1'-1" | 24'-5" | | | AP 503A | 64 | 30'-0" | | Str. | | | | |
| AP 801B | 20 | 25'-11 1/2" to 30'-1" | | #5 | 1'-1" | 24'-10 1/2" to 29'-0" | 5/2" | 2 | AP 503B | 22 | 15'-6" | | Str. | | | | |
| AP 801C | 20 | 20'-9" to 24'-10 1/2" | | #5 | 1'-1" | 19'-8" to 23'-9 1/2" | 5/2" | 2 | AP 503C | 40 | 12'-0" | | Str. | | | | |
| AP 802A | 2 | 23'-9" | | Str. | | | | | AP 503D | 4 | 8'-0" | | Str. | | | | |
| AP 802B | 2 | 21'-9" | | Str. | | | | | AP 503E | 2 | 5'-0" | | Str. | | | | |
| AP 802C | 2 | 20'-0" | | Str. | | | | | AP 504 | 64 | 4'-1" | | #6 | 1'-12" | 1'-3" | | |
| AP 802D | 6 | 5'-0" | | Str. | | | | | | | | | | | | | |

NOTE: Approach Slab Bars are included with Approach Slab for payment.

SEC. L-33

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

REINFORCING BAR LIST
BRIDGE NO. LAK - 2 - 1263
RELOC. S.R. 2 UNDER HEISLEY RD.
LAKE COUNTY
STA. 564 + 99.00

| | | | | | | |
|----------|-------|--------|------------|---------|------|---------|
| DESIGNED | DRAWN | TRACED | CHECKED | REVISED | DATE | REVISED |
| | | | <i>mcP</i> | | | |

MICROFILMED
JUL 1 1985