

This sheet checked by *William* 1-27-31

|        |      |       |
|--------|------|-------|
| FED#17 | DATE | FED#4 |
| 10     | OHIO | 4651  |

SH (C.H.) 160  
VINTON COL

| MARK | SIZE | NO. | DRIVING | LENGTH | WEIGHT |
|------|------|-----|---------|--------|--------|
| S28  | 3/4" | 34  | 48 CTES | 11'4"  | 579    |
| T24  | 1/2" | 10  | 12"     | 12'0"  | 80     |
| T28  | 1/2" | 20  | 12"     | 11'6"  | 153    |
| V28  | 1/2" | 24  | 12"     | 10'0"  | 188    |
| W28  | 1/2" | 24  | 12"     | 6'6"   | 156    |
| W28  | 1/2" | 8   | 8 BENT  | 12"    | 67     |
| W28  | 1/2" | 8   | 12"     | 12'6"  | 67     |
| W28  | 1/2" | 34  | 6 CTES  | 20'    | 113    |
| P48  | 1/2" | 20  | STE     | 4'6"   | 122    |
| P38  | 1/2" | 8   | 12"     | 12'0"  | 82     |
| D41  | 3/8" | 30  | 12"     | 1'8"   | 52     |
|      |      |     |         |        | 1627   |

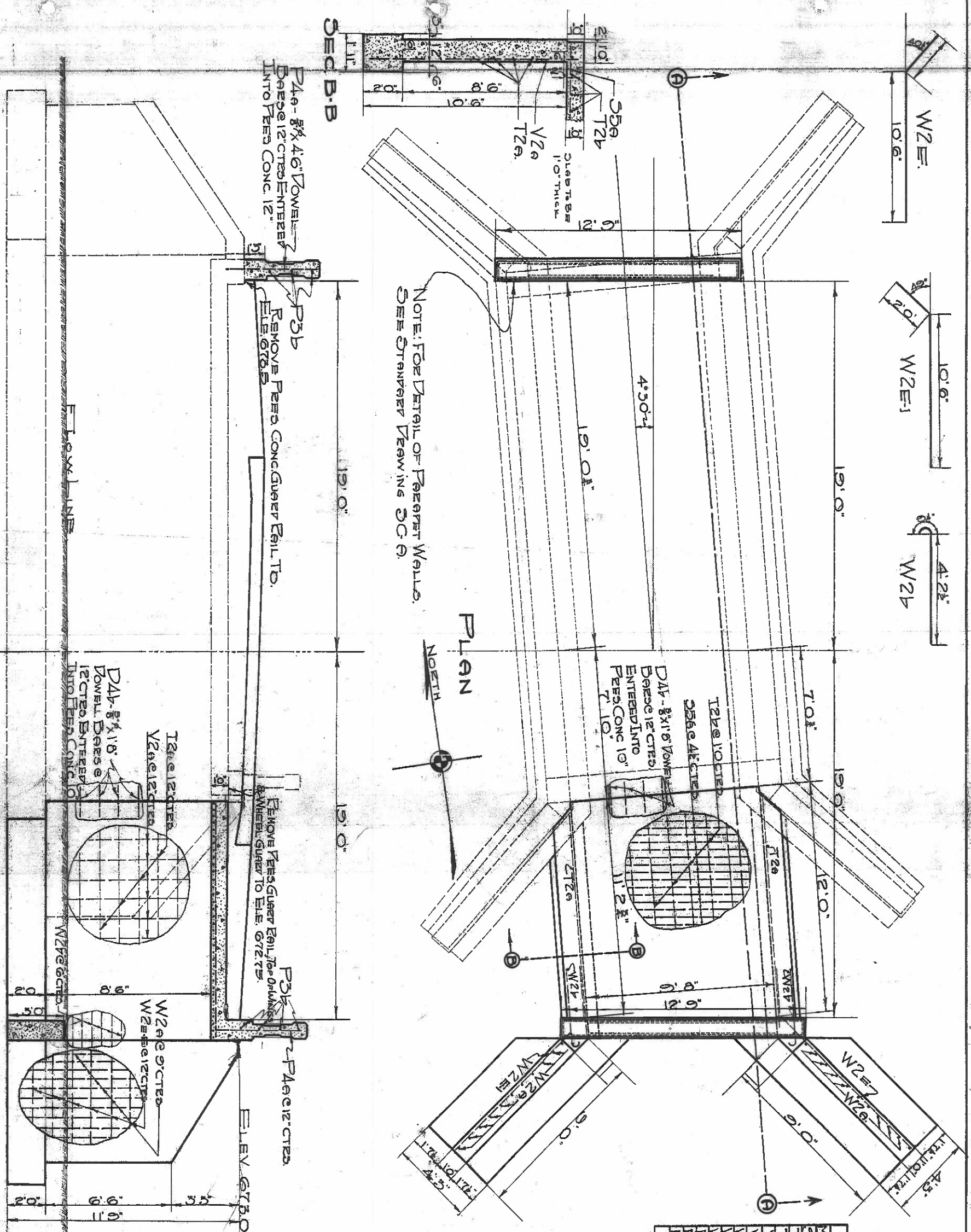
Bridge No. V-1-50-22

**CULVERT DATA.**

TYPE: SLAB TOP CULVERT EXTENSION DE.  
SPAN - 9'8" H = 7'6"  
WORK REQUIRED: BUILD EXTENSION ON P  
OF FEES LAB TOP CULVERT AS SHOWN ON P  
JOIN TO FEES STRUCTURE WITH 30-#3X18 D  
ENTERED INTO FEES STRUCTURE 10 INCHES  
REMOVE GUARD RAIL TO WHEEL GUARD ON BIG  
OF FEES STRUCTURE TO ELEV. 672.75. REI  
GUARD RAIL ON LEFT END OF FEES. B  
TO ELEV. 673.5. ENTER P48 DOWELS IN  
STRUCTURE 12 INCHES. BUILD PARAP  
ON LEFT END AS PER STANDARD  
POINT UP ALL SMALL CAVITIES OR OPENING  
REFINISH EXPOSED SURFACE OF ABUT  
AND WINGS OF PRESENT STRUCTURE.

**EST. QUANTITIES.**

|                       |       |     |
|-----------------------|-------|-----|
| Exc.                  | 30    | CL  |
| 1: 5 1/2 CONC.        | 232   | CL  |
| 1: 6 1/2 CONC.        | 89    | CL  |
| REINF. STEEL          | 1627  | LB  |
| DOWELS TO BE DET.     | 43    | ITE |
| REMOVING OLD CONC.    |       | LL  |
| REFINISHING OLD CONC. | 70.59 |     |



SEC. A-A

19 STA. 312+85

|   |  |                             |  |   |  |   |  |                                   |  |                                |  |   |  |  |  |                                     |  |
|---|--|-----------------------------|--|---|--|---|--|-----------------------------------|--|--------------------------------|--|---|--|--|--|-------------------------------------|--|
| TYPE OF BRIDGE<br><b>Concrete slab</b>    |  | NO. OF SPANS<br><b>1</b>    |  | DATE BUILT<br><b>Extended 1931</b>          |  |   |  |                                   |  |                                |  |   |  |  |  |                                     |  |
| APPROX. SAFE LOAD CAPACITY<br><b>H-15</b> |  | CLEAR SPAN<br><b>10'-0"</b> |  | LENGTH OUT TO OUT OF FLOOR<br><b>12'-4"</b> |  | WIDTH BETWEEN CURBS<br><b>36'-1"</b><br><del>38'-0"</del> |  | WIDTH OUT TO OUT<br><b>40'-0"</b> |  | WIDTH OF SIDEWALKS<br><b>0</b> |  | HEIGHT OF FLOOR ABOVE BRIDGE SEAT<br><b>1'-0"</b> |  | ROADWAY CLEARANCE<br>MAX. HEIGHT <b>Open</b><br>WIDTH<br>MIN. HEIGHT |  | PROVISION FOR EXPANSION<br><b>0</b> |  |

|   |  |   |  |
|---|--|---|--|
| TYPE OF RAILING<br><b>Std. parapet wall (Drawing No sc-A)</b>                                     |  | TYPE AND SIZE OF CURB<br><b>0</b>         |  |
| TYPE AND THICKNESS OF WEARING SURFACE<br><b>Brick pavement continuous over bridge + 1/4' T-35</b> |  | DESCRIPTION OF FLOOR DRAINAGE<br><b>0</b> |  |
| ALIGNMENT AND SKEW OF STRUCTURE<br><b>3° R.T.C. 4° 30' R.F.</b>                                   |  | APPROACH CLASS<br><b>0</b>                |  |
| LIGHTING SYSTEM<br><b>0</b>   |  | LENGTH                                    |  |

|   |  |   |  |   |  |
|---|--|---|--|---|--|
| STREAM  |  | HEIGHT FROM GRADE TO STREAM BED<br><b>9'-6"</b> |  | HEIGHT FROM GRADE TO HIGH WATER   |  |
| CHANNEL CHARACTERISTICS                         |  | APPROX. WIDTH BETWEEN BANKS<br><b>15'</b>       |  | CHANNEL DEPTH<br><b>3'-6"</b>   |  |
| CONDITION OF BANKS<br><b>Bushes - Trees</b>     |  | NATURE OF BOTTOM<br><b>Shale - Gravel</b>       |  | ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE<br><b>0° above 0° below</b> |  |
| SKEW OF NORMAL FLOW<br><b>0° above 0° below</b> |  | SKEW OF FLOOD FLOW<br><b>Same as Normal</b>     |  |   |  |

|  |  |                  |  |
|--|--|------------------|--|
| THICKNESS OF SLAB<br><b>1'-0" (New &amp; old slab)</b> |  | STD. DRAWING NO. |  |
|--|--|------------------|--|

|                   |                  |                  |                               |
|-------------------|------------------|------------------|-------------------------------|
| CONCRETE BEAM     |                  | STD. DRAWING NO. |                               |
| NO. OF BEAMS      | SPACING OF BEAMS | WIDTH OF BEAMS   | HEIGHT OF BEAM INCLUDING SLAB |
|                   |                  |                  |                               |
| THICKNESS OF SLAB |                  |                  |                               |

|                 |                 |                  |                         |
|-----------------|-----------------|------------------|-------------------------|
| CONCRETE GIRDER |                 | STD. DRAWING NO. |                         |
| WIDTH OF GIRDER | DEPTH OF GIRDER | FLOOR BEAMS      | THICKNESS OF FLOOR SLAB |
|                 | AT CENTER       | AT ENDS          | SPACING                 |
|                 |                 |                  |                         |

|          |      |                  |  |
|----------|------|------------------|--|
| ARCHES   |      | STD. DRAWING NO. |  |
| MATERIAL | TYPE | SHAPE            |  |

|            |      |                 |                  |                  |                        |                               |
|------------|------|-----------------|------------------|------------------|------------------------|-------------------------------|
| CLEAR SPAN | RISE | CROWN THICKNESS | SPRING THICKNESS | FILLING MATERIAL | DEPTH OF FILL AT CROWN | HEIGHT OF PARAPET ABOVE GRADE |
|            |      |                 |                  |                  |                        |                               |

|                     |          |                  |                              |                      |                       |                      |                              |
|---------------------|----------|------------------|------------------------------|----------------------|-----------------------|----------------------|------------------------------|
| SUB-STRUCTURE       |          | STD. DRAWING NO. |                              |                      |                       |                      |                              |
| ABUTMENTS AND PIERS | MATERIAL | TYPE             | HEIGHT FOOTER TO BRIDGE SEAT | WIDTH OF BRIDGE SEAT | LENGTH OF BRIDGE SEAT | FOUNDATIONS (PILING) | WINGS (LENGTHS, ANGLES ETC.) |
| REAR                | Concrete | Gravity          | 8'-6"                        | 1'-2"                | 40'-1 1/2"            | 0                    | 9'-0" @ 45° : 9'-6" @ 45°    |
| FORWARD             | "        | "                | 8'-6"                        | 1'-2"                | 40'-1 1/2"            | 0                    | 9'-0" @ 45° : 9'-6" @ 45°    |
| PIER                |          |                  |                              |                      |                       |                      |                              |
| PIER                |          |                  |                              |                      |                       |                      |                              |

|   |                         |                        |                        |                     |                             |                            |                                 |                   |
|---|-------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------|---------------------------------|-------------------|
| BRIDGE NO.<br><b>28.514</b><br><del>VIN-50-2886</del> | COUNTY<br><b>Vinton</b> | ROUTE NO.<br><b>50</b> | S.H. NO.<br><b>160</b> | SECTION<br><b>K</b> | STRENGTH<br>H10 H12 H15 H20 | ROADWAY<br>15-18 19-22 23- | CLEARANCE<br>12- 12-14 14- OPEN | TYPE<br>A B C S T |
|---|-------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------|---------------------------------|-------------------|

VIN-50-2886

Vinton

50

160

K

N

2854

COUNTY

ROUTE NO.

S.K. NO.

SECTION

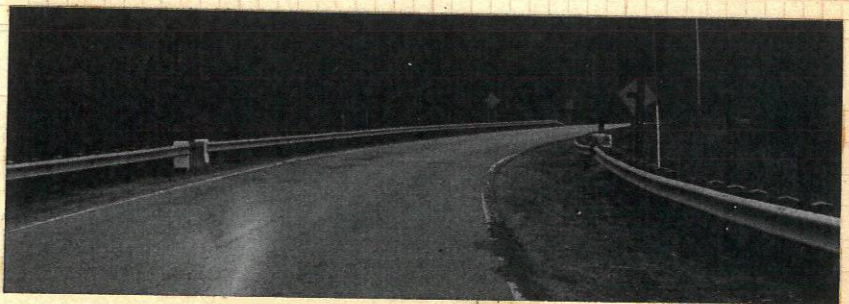
STRENGTH

ROADWAY

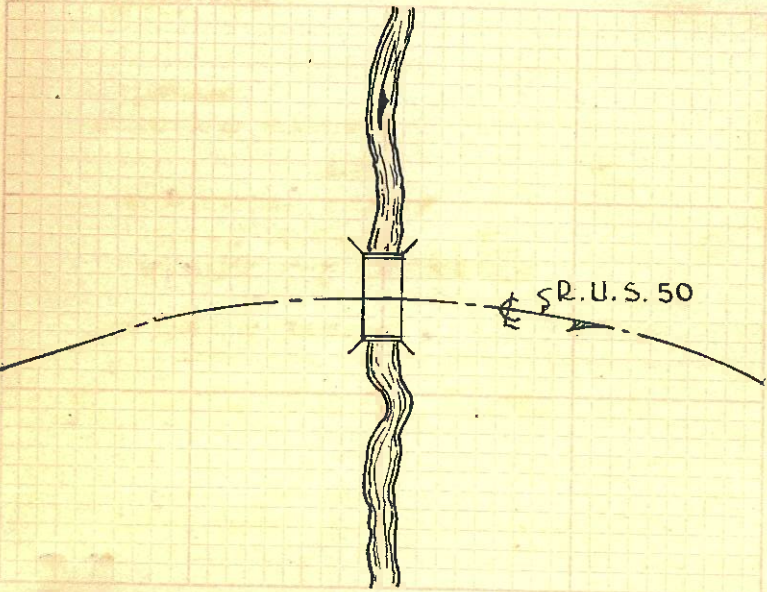
CLEARANCE

TYPE

SKETCH OF STRUCTURE SHOWING DIMENSIONS



LOCATION SKETCH



4-7-77

REMARKS: Old concrete slab extended 12'-0" on right side with concrete slab.

