DETOUR MAP
S.R. 49

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# STATE OF OHIO
# DEPARTMENT OF HIGHWAY

# VAN-30-4.06

## VAN WERT COUNTY

## TULLY, UNION, & PLEASANT TWPS.

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | STATE | |

1 / 375

VAN WERT COUNTY
VAN-30-4.06

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THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND 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 OF THE REVISED CODE OF OHIO.

## CONVENTIONAL SIGNS

RIGHT-OF-WAY — R/W
LIMITED ACCESS RIGHT-OF-WAY — L.A. R/W
STATE LINE
COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CENTER LINE
CORPORATION LINE
PROPERTY LINE
FENCE LINE
GUARD RAIL (EXISTING)
GUARD RAIL (PROPOSED)
RAILROAD
POWER POLES
TELEPHONE POLES
TREES OR STUMPS (EXISTING)
TREES OR STUMPS (TO BE REMOVED)

## INDEX OF SHEETS


| | |
|---|---|
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*SEE SHEET NO. 2 FOR INDEX OF SHEETS.

## LINE DATA

BEGIN PROJECT STA. 220+63.53 END PROJECT STA. 600+00
NO DEDUCTIONS OR ADDITIONS
TOTAL LENGTH OF PROJECT 37,936.47 L.F. = 7.184 MILES

BEGIN WORK STA. 217+00 END WORK STA. 601+00 38,400 L.F.
ADD FOR APPROACHES

| | | |
|---|---|---|
| DIXON RD. - TR 192 | 2,126.48 | LF |
| SR 49 | 2,536.24 | LF |
| SR 30 | 2,750.00 | LF |
| COLWELL RD. - TR 65 | 2,033.92 | LF |
| CONVOY RD. - CR 168 | 2,219.89 | LF |
| RICHEY RD. - CR 75 | 1,812.38 | LF |
| PEARSON RD. - TR 234 | 1,552.67 | LF |
| LIBERTY UNION RD. - CR 77 | 2,036.80 | LF |
| TERRY RD. - TR 160 | 1,788.89 | LF |
| ADD FOR SR 224 | 2,465.37 | LF |
| TOTAL LENGTH OF WORK | 59,724.64 L.F. = 11.311 | MILES |

DELIVERY POINT: CONVOY, O. AVERAGE HAUL = 2.5 MILES

SCALE OF MILES
0 1 2 3

## LOCATION MAP

PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER ROADS
DETOUR ROUTES

## SCALE

| | |
|---|---|
| PLAN | 1 INCH = 50 FEET |
| PROFILE (HORIZONTAL) | 1 INCH = 50 FEET |
| PROFILE (VERTICAL) | 1 INCH = 5 FEET |
| CROSS SECTIONS | 1 INCH = 10 FEET |

## 1963 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF HIGHWAYS, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATION 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 IN THE PLANS AND ESTIMATES.

APPROVED Norman R. Cone
DATE 3/10/65 DIVISION DEPUTY DIRECTOR

APPROVED C.H. Altwater
DATE 5-5-65 ENGINEER OF BRIDGES

APPROVED D.N. Ricketts
DATE 5-10-65 ENGINEER OF LOCATION AND DESIGN

APPROVED R.E. Shultz
DATE 5-10-65 DEPUTY DIRECTOR OF DESIGN AND CONSTRUCTION

APPROVED T.H. Borrud
DATE 4-21-65 DEPUTY DIRECTOR OF RIGHT-OF-WAY

APPROVED F.W. Wilson
DATE 5-13-65 DEPUTY DIRECTOR OF PLANNING AND PROGRAMMING

APPROVED
DATE FIRST ASSISTANT DIRECTOR

APPROVED C.E. Mashter
DATE 5/13/65 DIRECTOR OF HIGHWAYS

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STANDARD DRAWINGS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B-T-70-71 | 11-15-60 | I-12 | 2-1-63 | L-2 | 4-1-50 | RRA NO. 1 | 2-1-63 | FSB-1-62 | 1-15-63 | | |
| B-T-71 R | 3-2-53 | I-15 NO. 1 | 11-15-60 | L-3 | 4-1-50 | RRA NO. 2 | 1-20-58 | CSB-4-63, shts. 1 & 4 | 12-30-63 | | |
| DR-1 | 1-3-55 | I-15 NO. 2-A | 8-17-60 | L-3-A | 4-1-50 | RRA NO. 5 | 11-3-58 | SD-1-63, shts. 1,2,3,4 | 11-12-63 | | |
| G-7.07 | 4-1-64 | I-15 NO. 5-B | 2-1-63 | L-J NO. 1 | 7-1-55 | SP-53 | 6-30-61 | AR-1-57 | 4-2-62 | | |
| I-1 | 11-15-60 | I-21-23 | 3-10-64 | F-2 | 2-1-63 | AS-1-54 | 7-5-62 | SD-2-64 | 11-25-64 | | |
| | | T-35 | 1-2-56 | I-8 C.B. No. 2-2-A & B | 2-1-63 | I-15 NO. 6 | 2-1-63 | CS-1-54 | 4-1-63 | | |
| I-8 CB NO. 6 | 2-1-63 | T. J. | 9-12-60 | I-8 I. NO. 2 | 2-1-63 | F-3 | 2-1-63 | A-1-54 | 12-1-54 | | |
| I-8 CB NO. 8 | 2-1-63 | L-1 | 4-1-50 | RI-1 | 9-1-64 | SB-1-64 sht. 1 | 8-25-64 | P-1-54 | 2-2-59 | | |

SUPPLEMENTAL SPECIFICATIONS

| | | |
|---|---|---|
| L-120 | REV. | 1-2-62 |
| T-335 | | 10-28-63 |
| I-127 | REV. | 1-15-62 |
| I-129 | REV. | 4-5-61 |
| C.E.-101.04 | | 5-22-56 |
| S-307 | REV. | 10-1-64 |
| S-101 | | 7-12-62 |
| M-107.18 | REV. | 4-3-61 |
| I-212 | REV. | 6-23-61 |
| M-106.11 | | 1-26-61 |

| FILE Nº | VAN WERT COUNTY | VAN-30-4.06 |
|---|---|---|
| | DATE OF LETTING | 19 |
| | CONTRACT NO. | |

# SCHEMATIC PLAN

U.S. ROUTE 30
VAN 30-4.06

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

VAN 30-4.06

2

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MAY 22 1985

## INDEX OF SHEETS

| REF. NO. | INTERSECTION | SHEET NO. |
|---|---|---|
| 1 | DIXON RD. - T.R. 192 | 178 - 184 |
| 2 | S.R. 49 | 185 - 193 |
| 3 | U.S.R. 30 (EXIST) | 194 - 199 |
| 4 | COLWELL RD. T.R. 65 | 200 - 206 |
| 5 | CONVOY RD. - C.R. 168 | 207 - 213 |

## INDEX OF SHEETS

| REF NO. | INTERSECTION | SHEET NO'S |
|---|---|---|
| 6 | DULL ROBINSON RD - C.R. 69 | 214 - 218 |
| 7 | RICHEY RD. - T.R. 75 | 219 - 224 |
| 8 | PEARSON RD. - T.R. 234 | 225 - 228 |
| 9 | LIBERTY UNION RD. - C.R. 77 | 229 - 233 |
| 10 | TERRY RD. - T.R. 160 | 234 - 238 |
| 11 | U.S.R. 224 | 239 - 255 |
| 12 | RAMPS "A" & "B" | 256 - 259 |
| 13 | RAMPS "C" & "D" | 260 - 265 |

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

3

VAN WERT COUNTY
VAN-30-4.06

# TYPICAL SECTIONS

TYPE T-71

NORMAL SECTION
RELOC. U.S.R. 30

Note:— For details not shown see RI-1 or Cross Sections.

TYPICAL SECTION ABOVE APPLIES:

U.S.R. 30

| | | |
|---|---|---|
| From *Sta 224+50 to Sta 231+97.54 | 747.54 | Lin. Ft. (Transition) |
| Sta 231+97.54 to Sta 313+46.56 | 8,149.02 | Lin. Ft. |
| Sta 314+21.44 to Sta 491+51.63 | 17,730.19 | Lin. Ft. |
| Sta 492+68.37 to Sta 510+75.2 | 1,806.87 | Lin. Ft. |
| Sta 512+04.76 to Sta 600+00 | 8,795.24 | Lin. Ft. |
| Total Length | 37,228.86 | Lin. Ft. |

U.S.R. 224

| | | |
|---|---|---|
| From *Sta 619+38 to Sta 621+00 | 162. | Lin. Ft. (Transition) |

* Median & Pavement Widths vary, See plan & profile sheets.

## LEGEND

| | | |
|---|---|---|
| 1 | Item T-71 | 9" Reinforced Portland Cement Concrete Pavement. |
| 2 | Item I-22 | Subbase. (Thickness as shown) |
| 3 | Item T-31 | Bituminous Surface Treatment using 0.008 Cu.Yd. No. 6 Aggregate per Sq. Yd. and 0.25 Gal. Bituminous Material. (See Note in Proposal.) |
| 4 | Item B-21 | ‡3" Waterproofed Aggregate Base Course. Type "A" T-35 or T-335 Material may be used in construction of this Course. (See Note in Proposal.) ‡ Thickness shown is "designed" thickness as described in Section B-21.01. |
| 5 | Item B-19 | Aggregate Base Course. (Thickness as Shown) |
| 6 | Item I-1 | 6" Pipe Class I-3. |
| 7 | Item L-9 | Seeding and Protecting. |
| 8 | Special | Drainage connection, using No. 6 Aggregate, (See Note in Proposal.) |

Note:
Sequence of operations (1) Install pipe underdrain on outside shoulder. Installation of shallow under drain in median may be deferred until T-71 is placed. (2) Place subbase out to outside edge of underdrain or to one foot beyond edge of pavement where no underdrain is present. (3) Construct T-71. (4) Remove subbase and any contaminated Back Fill over drain and replace with No. 6 Aggregate as shown by (8) (5) complete shoulder construction.

DETAIL: Outside Shoulders of Speed change lanes.

‡ 7½ Normal Section, 6" Superelevated Section.
‡‡ Item B-21 shall be 6" thickness on speed change lanes and ramps with a corresponding reduction in the thickness of Item B-19.

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

2.7

VAN WERT COUNTY
VAN-30-4.06

## PROPOSED STRUCTURE

TYPE: Single Span Reinf. Conc. Slab with Reinf. Conc. Abutments
SPAN: 22'-0" f/f of Abutments
ROADWAY: Two @ 40'-0" f/f G.R.
LOAD FREQUENCY: CF = 2000 (57)
SKEW: 30°-00' Left Forward
WEARING SURFACE: 1" Monolithic Conc.
APPROACH SLABS: AS-1-54 (25' Long)
ALIGNMENT: Tangent
SEE SHEETS 195, 308

## EXISTING STRUCTURE

TYPE: Reinf. Conc. Slab, Single Span
SPAN: 19'-0" on Rt. - 16'-0" on Lt.
ROADWAY: 40'-0" Clear Width
LOADING: H-15
SKEW: None
ALIGNMENT: Tangent
WEARING SURFACE: Bituminous
CONDITION: Fair
SUBSTRUCTURE: Conc. Gravity

| | |
|---|---|
| Excavation | 3534 Cu.Yd. |
| Embankment | 10886 Cu.Yd. |
| Emb + 20% | 13063 Cu.Yd. |

For Details not Shown See Exist. U.S.R. 30 Details, Cross Sections & Structure Details

## DRAINAGE

| Ref. No. | Station From | Station To | Side | I-1 Pipe, Lin. Ft. A-1 6" | 10" | 15" | 24" | 30" | Class F-4 10" | 24" | 8" | 10" | 12" | I-5 Pipe Special, Each A-1 15"x30" Bend | 6" Tee | 6" on 15" Bend | 24"x30" Bend | 30"x45° Bend | 8"x45° Bend | 8"x30° Bend | I-8 Std. No. 8 C.B. Each | I-10 Crush. Aggr. Base Prot. 12" T Sq. Yd. | Rip Rap 6" Reinf. Conc. Sq. Yd. | L-10 Special Berm Slope Protection Sq. Yd. | Seeding Sq. Yd. | L-10 Mulching Sq. Yd. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-D | 310+00 | 313+38 | Rt. | | | | | | | | | | 338 | | 1 | | | | | | | | | | | |
| 2-D | 310+00 | 314+05 | Lt. | | | | | | | | | | 405 | | 1 | | | | | | 1 | | | | 142 | |
| 3-D | 313+37.03 | 313+64.34 | Rt. | | | 31 | | | | | | | | | | | | | | | | | | | | |
| 4-D | 313+00 | 313+15 | Rt. | | | | | | | | | | | | | | | | | | | 15 | | | | |
| 5-D | 312+72.34 | 314+16 | Lt. | | | | | | 10 | | | | | | | | | | | | | 16 | 5.07 | | | |
| 6-D | 314+61.5 | 314+80 | Lt. | | | | | | | | | | | | | | | | | | | | | | | |
| 7-D | 314+03.66 | 314+70.97 | Eff. Lt. | | | 71 | | | | | | | | 2 | | | | | | | 1 | | | | 175 | |
| 8-D | 314+80 | 316+52 | Lt. & Rt. | | | 240 | | | | | | | | | | | | | | | | | | | | |
| 9-D | 314+59.93 | 315+77.24 | Rt. | | | | | | | 20 | | | | 2 | | 1 | | | | | | | 5.44 | | | |
| 10-D | 316+62 | 316+95 | Rt. | | | | | 122 | | | | 10 | 10 | | | | | | | | | | | | | |
| 11-D | 316+95 | 320+00 | Rt. | | | | | | | | | 10 | | | | | | | | | | | | | | |
| 12-D | 317+00 | 320+00 | E. Rt. | | | | 86 | | | | | | | | | 1 | | | | | 1 | | 2.14 | | 182 | |
| 13-D | 314+28 | 320+00 | Lt. | 20 | | | | | | | | | | | | | | | | 1 | | | | | | |
| 14-D | 312+10 | 312+30 | Lt. | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exist. U.S.R. 30 Drainage | | | | 88 | 210 | 188 | 140 | 122 | 40 | 40 | 20 | 10 | 10 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 10 | 21 | | 232.4 | 416 |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | 232.4 | 416 |

## SIDE APPROACHES "A"

| Ref. No. | Station | Side | B-19 Aggregate Base Cu. Yd. | T-30 Bit. Prime Coat Gal. | T-35 Asph. Conc. Coat 2" Sq. Yd. | I-1 Class C-4 Lin. Ft. | I-5 Temp. Run 12" Lump | Remarks | Length | Width |
|---|---|---|---|---|---|---|---|---|---|---|
| 1-A | 10+52 | Rt. | 5" *11.5 | 6" *29 | | | | Res. Dr. & MBA | 66 | 12 |
| 2-A | 10+73 | Rt. | | | | 60 | | Fld. & Barn Dr. | 50 | 12 |
| 3-A | 10+00 | Lt. | | *18.5 | | 30 | | Fld. Dr. | 75 | 12 |
| 4-A | 10+90 | Rt. | | *10.2 | | 30 | | Fld. Dr. | 33 | 12 |
| 5-A | 11+43 | Lt. | | | | 100 | | Bus. Dr. | Lower Var. | |
| 6-A | 90+00 | Lt. | | *19.3 | | | 32 | Fld. Dr. | 58 | 12 |
| 7-A | 83+00 to 83+30 | Lt. | | | | | | Lump Temp. Bituminous Bridge & Approaches | | |
| Total | | | 72.4 | 56.6 | 7.5 | 452 | Lump | | | |

*Quantities are calculated from edge of stabilized shoulder

## GUARD RAIL "G"

| Ref. No. | Station From | Station To | Side | I-15 Guard Rail Steel Beam Type (Deep) Lin. Ft. |
|---|---|---|---|---|
| 1-G | 313+55.47 | 315+92.97 | Lt. | 212.62 |
| 2-G | 313+57.38 | 316+29.31 | Lt. | 150.12 |
| 3-G | 314+38.62 | 314+35.62 | Rt. | 175.12 |
| 4-G | 314+75.03 | 315+00.03 | Rt. | 300.12 |
| 5-G | 93+01.06 | 98+51.14 | Lt. | 550.00 |
| 6-G | 93+11.96 | 98+24.34 | Rt. | 512.50 |
| 7-G | 101+75.66 | 105+88.04 | Lt. | 412.50 |
| 8-G | 101+48.86 | 105+98.74 | Rt. | 450.00 |
| Totals | | | | 2762.98 |

Straight Barrier 200

Sta. 310+00 to Sta. 320+00

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| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | 66 F-STATE | |

308

VAN WERT COUNTY
VAN-30-4.06
7.1± Miles West of Van Wert.

**PROPOSED STRUCTURE**
TYPE: Single span reinf. conc. slab with reinf. conc. abutments.
SPAN: 22'-0" face to face of abutments.
ROADWAY: Two @ 40'-0" f/f G.R.
LOAD FREQUENCY: CF = 2000 (51)
SKEW: 30°-00' left forward.
WEARING SURFACE: 1" Monolithic conc.
APPROACH SLABS: AS-1-54 (25' long)
ALIGNMENT: Tangent.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

## SITE PLAN

BRIDGE NO. VAN-30-0594 L & R
OVER North Creek
VAN WERT CO. USR 30
SEC. VAN-30-4.06 STA. 313+71.56
SCALE 1" = 20' 313+96.44

| PRESENT TOPOGRAPHY | | PROPOSED WORK | | | |
|---|---|---|---|---|---|
| SURVEYED | DRAWN | DESIGNED | DRAWN | CHECKED | REVIEWED |
| | | J.H.B. | J.H.B. | WJJ | G.E.S. |

BFG 11-9-64

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| 2 | OHIO | | |

309

VAN WERT COUNTY
VAN-30-406

Piling shall be 10 BP42 steel "H" bearing piles

Piling not all shown.

## GENERAL PLAN

## ELEVATION

## ESTIMATED QUANTITIES

| Item | Total | Unit | Description | Super. | Abuts. | Retaining Wall | Gen'l | | |
|---|---|---|---|---|---|---|---|---|---|
| E-2 | Lump | Sum | Cofferdams, cribs and sheeting | | | | Lump | | |
| E-2 | 391 | Cu. Yds. | Unclassified excavation | | 258 | 193 | | | |
| E-3 | 3501 | Cu. Yds. | Channel excavation | | | | 3501 | | |
| | | | | | | | | | |
| S-1 | 101 | Cu. Yds. | Class "C" concrete, superstructure | 101 | | | | | |
| S-1 | 172 | Cu. Yds. | Class "E" concrete, abutment and retaining walls | | 133 | 39 | | | |
| S-1 | 152 | Cu. Yds. | Class "E" concrete, footings | | 97 | 55 | | | |
| S-3 | 12 | Sq. Yds. | Type "B" waterproofing | | 6 | 6 | | | |
| S-3 | 46 | Lin. Ft. | Waterproofing, premolded sealing strip | | 32 | 14 | | | |
| S-4 | 39,147 | lbs. | Reinforcing steel | 21,944 | 11,145 | 6058 | | | |
| S-9 | 23 | Sq. Ft. | 1/2" Preformed expansion joint filler | | 23 | | | | |
| S-9 | 59 | Sq. Ft. | 1" Preformed expansion joint filler | | | 59 | | | |
| S-14 | 99.52 | Lin. Ft. | Railing (Type I-15.11 with galvanized steel posts and bolts) | 99.52 | | | | | |
| S-16 | Lump | Sum | First test pile | | | | Lump | | |
| S-18 | 920 | Lin. Ft. | Steel piles, 10 BP42 | | 700 | 220 | | | |
| S-24 | Lump | Sum | Removal of existing structure | | | | Lump | | |
| S-29 | 125 | Cu. Yds. | Porous backfill | | 96 | 29 | | | |
| | | | | | | | | | |
| S-101 | 101 | Each | Water-reducing, set-retarding admixture | 101 | | | | | |
| | | | | | | | | | |
| I-10 | 460 | cu. yd. | Dumped Rock Channel Protection | | | | 460 | | |

## GENERAL NOTES

REFERENCE shall be made to Standard Drawing SB-1-64, Sheet No 1 dated 8-25-64, and to Supplemental Specification S-101 dated 7-12-62.

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 current revisions thereof.

PILES shall be driven to a minimum bearing capacity of 27 tons per pile.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed.

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

# GENERAL PLAN & ELEVATION, NOTES, AND ESTIMATED QUANTITIES

BRIDGE No. VAN-30-0594 L & R
OVER NORTH CREEK

VAN WERT COUNTY — STA. 313+71.56 / STA. 313+96.44

| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED |
|---|---|---|---|---|---|---|
| J E F | J E F | Heidi Gratton | WCK | BFG | 11-9-64 | |

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MAY 23 1965

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

310

VAN WERT COUNTY
VAN - 30 - 406

## ABUTMENT PLAN

Rear Abutment - Eastbound Lanes
Fwd. Abutment - Westbound Lanes

## ABUTMENT ELEVATION

Rear Abutment - Eastbound Lanes
Fwd. Abutment - Westbound Lanes

SECTION A-A

SECTION B-B

VIEW C-C

SECTION D-D

| ELEVATIONS | | | | | |
|---|---|---|---|---|---|
| Location | A | B | C | D | J |
| Rear Abutment | 776.45 | 776.52 | 776.56 | 776.47 | 764.9 |
| Fwd. Abutment | 776.37 | 776.44 | 776.51 | 776.42 | 764.9 |

POROUS BACKFILL, 1'-6" thick, full length of abutments and retaining wall, shall extend from 6" below weepholes upward to the approach slab and to the finished ground surface. Backfill shall not be placed higher than Elev. 768.7± prior to placing deck slab.

PROCEDURE: Before the abutments and retaining walls are constructed the proposed channel slopes, within the limits of the abutments and retaining walls, shall have a 1:1 slope from the face of wall back to subgrade, after which excavation shall be made for the abutments and retaining walls.

CONCRETE shall be class "E".

DETAIL "A"

PILE LEGEND

| Battered | Vertical |
|---|---|

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

## ABUTMENT DETAILS

BRIDGE No. VAN-30-0594 L & R
OVER NORTH CREEK

VAN WERT COUNTY — STA. 313+71.56 / STA. 313+96.44

| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED |
|---|---|---|---|---|---|---|
| J E F | J E F | H.C. | W.C.K. | BFG | 11-9-64 | |

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

311

VAN WERT COUNTY
VAN - 30 - 406

## ABUTMENT PLAN

Rear Abutment ~ Westbound Lanes
Fwd. Abutment ~ Eastbound Lanes

## ABUTMENT ELEVATION

Rear Abutment ~ Westbound Lanes
Fwd. Abutment ~ Eastbound Lanes

ADDITIONAL DETAILS: For additional details and notes and for Sections A-A & B-B and Detail "A" see ABUTMENT DETAILS, Sheet No. 310

## SECTION E-E

## SECTION F-F

| ELEVATIONS | | | | | |
|---|---|---|---|---|---|
| Location | F | G | H | I | J |
| Rear Abutment | 776.47 | 776.53 | 776.45 | 776.36 | 764.9 |
| Fwd. Abutment | 776.44 | 776.53 | 776.49 | 776.42 | 764.9 |

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

# ABUTMENT DETAILS

BRIDGE No. VAN-30-0594 L & R
OVER NORTH CREEK

VAN WERT COUNTY — STA. 313+71.56 / STA. 313+96.44

| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED |
|---|---|---|---|---|---|---|
| J E F | J E F | J.V.R | WCK | BFG | 11-9-64 | |

MICROFILMED
MAY 23 1995

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

312

VAN WERT COUNTY
VAN - 30 - 406

ABUTMENT WALL PLAN

ABUTMENT WALL ELEVATION

SECTION GG

| ELEVATIONS | | | | |
|---|---|---|---|---|
| Location | D | E | F | J |
| Rear Abutment | 776.47 | 773.93 | 776.47 | 764.9 |
| Fwd Abutment | 776.42 | 773.92 | 776.44 | 764.9 |

ADDITIONAL NOTES & DETAILS: For additional notes and details see ABUTMENT DETAILS Sheet No. 310

CONCRETE shall be Class "E"

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

# RETAINING WALL DETAILS

BRIDGE No. VAN-30-0594 L & R
OVER NORTH CREEK

VAN WERT COUNTY — STA. 313 + 71.56 / STA. 313 + 96.44

| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED |
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| J E F | J E F | P.K.I. | WCK | BFG | 11-9-64 | |

| FED. RD. DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | | |

313

VAN WERT COUNTY
VAN - 30 - 406

Section A-A, Section B-B and other superstructure details are shown on Standard Drawing SB-1-64, Sheet 1

SLAB THICKNESS is 15¾" which includes 1" for monolithic wearing surface.

## SUPERSTRUCTURE PLAN

## REINFORCING STEEL LIST

| MARK | No. | LENGTH | WEIGHT | SHP. |
|---|---|---|---|---|
| **Superstructures** | | | | |
| A866 | 190 | 26'-8" | 13,528 | B |
| B601 | 216 | 23'-9" | 7,705 | S |
| C501 | 28 | 24'-4" | 711 | S |
| **Abutments** | | | | |
| A501 | 64 | 34'-7" | 2308 | S |
| A502 | 176 | 11'-5" | 2096 | B |
| A503 | 126 | 9'-4" | 1227 | B |
| A504 | 124 | 6'-9" | 873 | S |
| A505 | 128 | 7'-2" | 957 | S |
| A506 | 56 | 32'-5" | 1893 | S |
| A507 | 8 | 27'-5" | 229 | S |
| A508 | 32 | 8'-3" | 275 | S |
| A509 | 30 | 11'-8" | 365 | B |
| A510 | 4 | 10'-5" | 43 | B |
| A511 | 8 | 6'-1" | 51 | S |
| A512 | 8 | 9'-6" | 79 | B |
| A513 | 4 | 6'-6" | 27 | S |
| A514 | 6 | 5'-5" | 34 | S |
| A515 | 2 | 4'-9" | 10 | S |
| A516 | 2 | 5'-9" | 12 | S |
| A517 | 16 | 8'-5" | 140 | B |
| A518 | 28 | 5'-1" | 148 | S |
| A519 | 24 | 5'-5" | 136 | B |
| A520 | 12 | 7'-2" | 90 | B |
| A521 | 6 | 7'-11" | 50 | B |
| A522 | 6 | 5'-6" | 34 | B |
| A523 | 12 | 4'-9" | 59 | B |
| A524 | 2 | 4'-5" | 9 | S |
| **Retaining Walls** | | | | |
| W901 | 16 | 22'-11" | 1247 | S |
| W801 | 24 | 22'-9" | 1458 | S |
| W601 | 120 | 5'-1" | 916 | B |
| W501 | 32 | 21'-2" | 707 | S |
| W502 | 8 | 8'-6" | 71 | S |

BENDING DIAGRAMS

| MARK | No. | LENGTH | WEIGHT | SHP. | |
|---|---|---|---|---|---|
| **Retaining Walls (Cont'd.)** | | | | | |
| | 2 | 8'-3" | | | |
| W503 | sets of 8 | to 5'-9¼" | 117 | S | varies by increments of 4¼" |
| | 2 | 8'-6" | | | |
| W504 | sets of 8 | to 6'-0¼" | 121 | S | varies by increments of 4¼" |
| W505 | 120 | 9'-5" | 1179 | B | |
| | 1 | 8'-4" | | | |
| W506 | set of 7 | to 5'-10" | 52 | S | varies by increments of 5" |
| | 1 | 8'-7" | | | |
| W507 | set of 7 | to 6'-1" | 54 | S | varies by increments of 5" |
| | 1 | 8'-4" | | | |
| W508 | set of 9 | to 5'-10" | 67 | S | varies by increments of 3¾" |
| | 1 | 8'-7" | | | |
| W509 | set of 9 | to 6'-1" | 69 | S | varies by increments of 3¾" |
| **Replacement Bars** | | | | | |
| RE901 | 1 | 6'-10" | — | S | |
| RE801 | 1 | 6'-6" | — | S | |
| RE601 | 1 | 5'-11" | — | S | |
| RE501 | 1 | 5'-7" | — | S | |

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

# SUPERSTRUCTURE DETAILS AND REINFORCING STEEL LIST

BRIDGE No. VAN-30-0594 L & R
OVER NORTH CREEK

VAN WERT COUNTY — STA. 313+71.56 — STA. 313+96.44

| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED |
|---|---|---|---|---|---|---|
| J E F | J E F | Neil Matthews | WCK | BFG | 11-9-64 | |