


## -Standard Drawings

| Superstructure Details | SD-1-65 | Sheets $1,2,{ }^{\&}$ Dated 11-8-65 |
| :---: | :---: | :---: |
| Railing | BR-1-67 | Sheet 1 |
| Rockers \& Bolsters |  | Revised 2-2-59 |
| Approach Slabs ${ }_{\text {Sighay }}^{\text {Sighting }}$ | ${ }_{\text {HL- }}$ AS-67 | Revised 1-11-68 |

Supplemental Specifications:
Water-Reducing, Set-Retard-
ing Admixture
Examination of Welds, Parts
Concrete Surface Treatment
808
Dated 1-1-69
Dated 1-1-69

Common Details:
Lighting
Contraction Joints
Curb Plate Details

PROCEDURE: Prior to the excavation for the substructu
units the following procedure shall be followed:

1. The area from $701+50$ to $702+29$, as indicated on the Site plan, shall be excavated to elevation
646 using a $1: 1$ slope from the existing ground sur Settlement platforms shall be placed as indicated in the Roadway Plans
An embankment surcharge shall be placed to eleva-
tion 680 , from approximately $699+85$ to $702+20$. The top of the embankment shall extend from 10 feet outside the south fascia of the southbound
structure to 10 feet outside the north fascia the northbund structure. The embankment shall be placed with a
to the permant embankment.
The Engineer shall observe the settlement platform to determine when of the underlying material will be completed within 4 to 6 months after the completion of the embank-
ment. the surcharge may be removed. The embankment for level of the subgrade for a minimum distance of 200 feet back of the abutments prior to the exca-
vation for the abutments and piers 1 and

SETtLEMENT PLATFORMS
Description: This item shall consist of furnishing all
necessary materials for the construction, placing and maintaining of settlement platforms as detailed on the plans and at the locations ordered by the Engineer At
the option and expense of the Contractor additionai set tlement platforms may be installed at locations approved
the the Engineer. by the Engineer.
 sound lumber. Pipe shall be $21 / 2^{\prime \prime}$ standard black pipe
with threaded fittings as shown on the Plans. A steel


Construction Methods: The 3' X 3' platform shall conform with the details shown on the Plans. The platform shall be carefully set and leveled. The pipes, firmly secured
by flanges to the platforms, shall be kept plumb. If the platforms or pipes are disturbed during construction
they shall be restored to their proper condition. pipes they shall be restored to their proper condition. Pipes
shani1 be marked at intervals by the Contractor to faci1tate measurement of the depth of fill and settlement.
The Contractor shall stop work in any location where any The Contractor shall stop work in any location where any
settlement platforms have been disturbed or damaged unti ettiement platforms have been disturbed or damaged unt formed.

Prior to paving, the settlement platform extension shall
be cut off 2 feet below the top of the finished surface be cut off 2 feet below the top of the finished surface
of the subgrade or topsoiled surface, whichever is appli cable.
Method of Measurement: The amount to be included under the item of settlement platforms shall be the actual number of settiemen fir on the Plans or directed by the accepted, as called for on the plans or directed by the
Engineer. No payment will be made for settlement platorms which are displaced or destroyed by the Contractor's

Basis of payment: Settlement platforms will be paid for at the contract unit price each for "Settlement platforms
which price shall include furnishing and installing, including all materials, equipment, tools, and labor inci dental thereto and maintaining and replacing them subse-
quently, if deemed necessary by the Engineer, and burning and removing extensions as directed by the Engineer.
payment for"settlement platformsis included with the

| ESTIMATED Q |  |  |  | QUANTITIES (2 BRIDGES)* |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Item | Total | Unit | Description | Abut. | Pier | Supera | General |  |  |  |  |
| 503 | 1353 | C.Y. | Unclassified Excavation | 710 | 643 |  |  |  |  |  |  |
| 509 | 408,660 | Lb. | Reinforcing Steel | 24,18 | 09.708 | 74.767 |  |  |  |  |  |
|  |  |  |  |  | 14.788. |  |  |  |  |  |  |
| 511. | 925 | C. Y . | Class "C" Concrete, Superstructure |  |  | 925 |  |  |  |  |  |
| 511 | 232 | C. X . | Class "C" Concrete, Pier Caps and |  |  |  |  |  |  |  |  |
| 511 | 330 | C. $Y$. | Class 'C" Concrete, Abutments |  | 232 |  |  |  |  |  |  |
|  |  |  | above Footings | 330 |  |  |  |  |  |  |  |
| 511. | 373 | C.Y. | Class "C" Concrete, Footings | 133 | 240 |  |  |  |  |  |  |
| 512 | 20 | L.F. | Premolded Sealing Strip | 20 |  |  |  |  |  |  |  |
| 513 | 939.600 | Lb. | Structural Steel |  |  | 939600 |  |  |  |  |  |
| 514 | 939,600 | Lb. | Field Painting of Structural Stee1 |  |  | 939.600 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{array}{\|c\|} \hline 518 \\ 518 \\ \hline \end{array}$ | $\begin{aligned} & 120 \\ & \hline 210 \\ & \hline \end{aligned}$ | $\frac{\text { C.Y. }}{\text { L. }}$ | Porous Backfill | 120 |  |  |  |  |  |  |  |
|  |  |  | Metal Pipe, including specials, | 210 |  |  |  |  |  |  |  |
| 518 | 298 | L.F. | $6^{\prime \prime}$ Non-perforated, Helical Corru- |  |  |  |  |  |  |  |  |
|  |  |  | gated Metal Pipe, 707.01 | 298 |  |  |  |  |  |  |  |
| 518 | 20 | Each | Scuppers, including supports |  |  | 20 |  |  |  |  |  |
| 601 | 3190 | Sq.Yd | Crushed Aggregate Slope Protection |  |  |  | 3.190 |  |  |  |  |
| 625 |  |  | See sheet 3 for Lighting Sum- |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 808 | 925 | Units | Water Reducing, Set Retarding Ad- |  |  |  |  |  |  |  |  |
|  |  |  | mixture |  |  | 225 |  |  |  |  |  |
| 825 | 3700 | Sq.Ya | Concrete Surface Treatment | 50 |  | 3,650 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | - |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

* Primary (No City Participation)

Two lanes of traffic with a minimum horizontal width of
$24^{\prime}$ and a minimum vertical clearance of $14^{\prime}$ shall be 24. and a minimum vertical clearance
maintained on U.S. 50 A at all times.

Joint sealer
Item 828 joint sealer including bond breaker, shown in
Section $A-A$ of Std. Dwg. SD-1-65, Sheet No. 1 , shall be

## maintenance of traffic


roadway quantities.




ATHENS

NOTES

Reinforcing Stee Location
N.S. indicates near slide
Fs.
f.s. incicates far side

Porous bockfill shall be placed between
the inside foces of the wingwalls ond
shall shall extend upward to the opproach
slab. Excovation therefore in excess slab. Excavation therefore in excess
of that required for construction of abutment shall be considered os poid
tor in the bbid price per cubic yard
for poran for in the bid price
for porous backfill.

For Contraction Joint petail, see
Common De toils (460) 6" Helical Perforated CMP shall have For atan or
For detail of lighting conduit in
abutment backwoll see standard Construction Drowing HL-4.

| For additional deto |
| :--- |
| $5 \mid 20\{6 \mid 20$ |

For additional notes and details
see 1 sta Dan
Field bending of obutment bors
to be included with Item 509 for
to be incl
payment
Adjustable type elbows, meeting
specification requirement specitication requirements for gage
ard coating ore occeptoble for maki
bends in perion old
 pipe. Ellows and the sta
need not be perforated
For quard roil connections see std. Dwa.
BR- $1-67$ oheet 1 of 3 . For details of lighting conduit in
abutment roiling see Bridge Lighting abutment railing see Bridge Lighting
Details sheet 465

Provide break in end dam at contrac-
tion joints.

## 

$\rightarrow$ Columbus, onio
REAR ABUTMENT N.B.
BRIDGE NQ ATH-33-1325L
US 33 over US 50 A Re
US 33 oVER US 50 A Reloc Athens County













Along Le beam


HAUNCH DETAIL AT BAYS 5,6\&7


I"dia high strenath bolts shall be
used with ing holes Bolt head
one and be placed ins bala nedde
ohall
of exterior beams and bottom flanqe.
for. field splice details not shown, see
std. Dwg. SD-1-65 sheet 3 of 3 .


|  |  |  |  |  | Too Mom A Potto |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ${ }_{\text {SPAN }}^{\text {S }}$ | ${ }_{\text {SPAN }}$ | BEA | Top Mom. | Bottom | C 0 |
|  | 1 | 2 | 36WF-150. |  | $13^{1 / 2} \times 1 / 2 \times 9.00^{4}$ | $4 \cdot 64{ }^{1} 6^{\circ}$ |
| $\frac{0}{2}$ | 2 | 3 | $360=230$ | $15 \times 3 / 8 \times 9 \times 0^{01}$ | $18.8116 \times 990$ |  |
|  | 3 | 4 | $36 W$-230 | $15 \times 5 / 8 \times 9.00^{11}$ | $18 \times 1166^{\times 9} 900^{\prime \prime}$ | ${ }^{4} \cdot 6^{*} 4^{4} \cdot 6^{\prime}$ |
|  | \% 1 | 2 | 360 - 230 | $155^{5 / 8 \times 1 / 1} 0^{00}$ | $18 \times 1 / 16 \times 1 / 100$ | $5{ }^{5} 6^{4} 55^{\prime} 6^{4}$ |
|  | 2 | 3 | $36 W F 230$ | $15.5 \times 8 \times 10^{6} 0^{-1}$ |  | $8^{1010} 8$ |
|  | 3 | 4 | 36 WF 230 | $15 \times 5 / 8 \times 146^{6}$ | $188^{41} 166_{6} 14 \cdot 6^{4}$ | 70 |
|  |  | 2 | 360.230 | $15 \times 1 / 8 \times 9.0^{\prime \prime}$ | $18 \times 1166^{9} 900^{\prime \prime}$ | $4 \% 6^{\prime \prime} \square^{\prime} C^{\prime}$ |
|  |  | $\frac{3}{4}$ | $36 \omega=230$ |  |  |  |

COUMBUS ENGINEERING CONSULTANTS, LTT.
Consulting
Civill Enquineers
 SUPERSTRUCTURE DETAILS
BRIOGE NOATH-33~1325 LCR BRIDCE No ATH-33~1325 LAR
U.S. 33 OVETU.S.50A RELOC.
 HENS COUNTY to Sta. $702+49+68$ NB. $\xi 706821 / 18$ S.B





[^0]TABLE OF SCREED ELEVATIONS

|  | $E$ | $F$ | 6 | H | $\checkmark$ | $K$ | $\angle$ | M | $N$ | - | $P$ | $Q$ | R | 5 | $T$ | U | , |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line A | 686.18 | 686.67 | 687.15 | 687.62 | 688.10 | 688.79 | 689.48 | 690.15 | 690.84 | 691.73 | 692.6 | 693.45 | 694 | 88 | 695.49 | 696.09 | 69 |
| Line $B$ | 686.68 | 687.17 | 687.65 | 688.13 | 688 | 689. | 689.99 | 690.66 | 691.34 | 692.23 | 693.12 | 693.95 | 694.78 | 695,38 | 696.00 | 696.60 | 697. |
| Line $C$ | 686.67 | 687.31 | 687.93 | 688.54 | 689.15 | 690.07 | 690.97 | 691.83 | 692.60 | 693.59 | 694.49 | 69 | 696.21 | 696.93 | 697.66 | 698.36 | 699 |
| Line D | 682.18 | 687.97 | 688.7 | 689.47 | 690.20 | 691.17 | 692.06 | 692.92 | 69 | 69 | 695.60 | 696.45 | O | 698.03 | 698.76 | 699.45 | 700. |
| Dim. | $65^{\circ} \cdot 01 / 2$ | 63.-8\% ${ }^{\text {\% }}$ | 62'9/4 | 62'-1\% | 61'8\% | 61-1\% $\%^{\prime \prime}$ | 60'7/6' | 60 ${ }^{\circ}$ | 59-6" ${ }^{\prime \prime}$ | $58^{\prime}-1 / 2^{\prime \prime}$ | 588 ${ }^{\circ} 4$ | 57-10\% | 57-3/8* | 56'-10\%' | 56-5\% | 56-01/8 | 55\%6\% |

ATHENS COUNTY
ATHENS COU
ATH-33-12.96
TH-33-12

REINFORCING STEEL LIST





[^0]:    The elevations shown at the top of slab
    and face of curb are those which ore
    required of curb ore those which are
    ploced. proper the crete deck is
    ploce
    placed. Proper allowance has been
    made for the dead load deflections
    maused by the weight of concrete.

