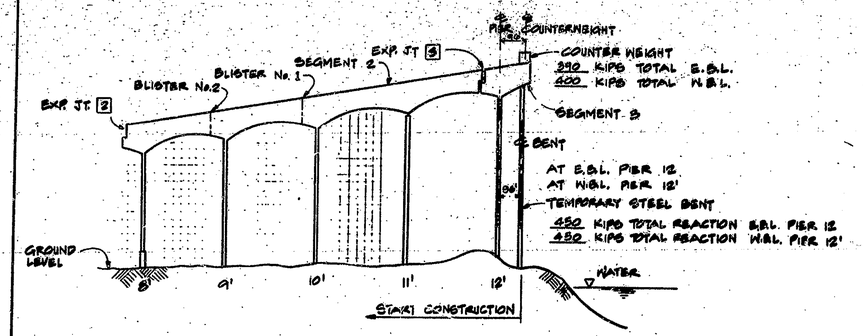
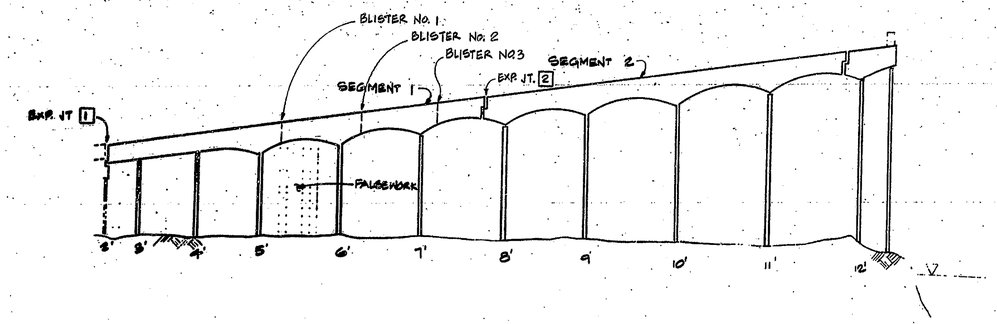


SEGMENTS 2 & 3



SEGMENT 1

SCALE:
HORIZ. 1" = 200'-0
VERT. 1" = 30'-0

EASTBOUND LANES

STEP

1. CAST CONCRETE AND STRESS TENDONS NO'S. T 33, T34, T41, T43, T44, T51 AND T52 IN SEGMENT 3. TENDONS T35, T38, T50 OF EXT. WEB AND T45, T48, T40 OF INT. WEB WILL BE STRESSED. THESE WILL BE COUPLED AT THE CONSTRUCTION JOINT IN ORDER TO FORM FINAL CONTINUITY TENDONS.
2. PLACE THE COUNTERWEIGHT NEAR THE CONSTRUCTION JOINT. AFTER CONCRETE IS CAST BEYOND BLISTER NO. 1, IN SEGMENT 2, STRESS TENDONS NOS. 28 THRU 42.
3. REMOVE FALSEWORK BETWEEN PIER 12 AND THE CONSTRUCTION JOINT. LETTING THE STRUCTURE REST ON THE TOP OF THE TEMPORARY STEEL BENT.
4. FALSEWORK MAY THEN BE REMOVED TO PIER 11
5. AFTER CONCRETE IS CAST BEYOND BLISTER No 2, STRESS TENDON NOS. 19 THRU 27. FALSEWORK MAY THEN BE REMOVED TO PIER 10.
6. COMPLETE CONCRETE PLACEMENT AND STRESS THE REMAINDER OF THE TENDONS IN SEGMENT 2. FALSEWORK MAY BE REMOVED FROM SEGMENT 2 AT THIS TIME.

WESTBOUND LANES

STEP

1. CAST CONCRETE AND STRESS TENDONS NO'S. T37-T61, T69-T71, T75-T81 AND T85-T91 IN SEGMENT 3. TENDONS T35-T61, T69-T71, T75-T81 AND T85-T91 WILL BE COUPLED AT THE CONSTRUCTION JOINT IN ORDER TO FORM FINAL CONTINUITY TENDONS.
2. PLACE THE COUNTERWEIGHT NEAR THE CONSTRUCTION JOINT AFTER CONCRETE IS CAST BEYOND BLISTER NO. 1 IN SEGMENT No. 2, STRESS TENDONS NOS. T28 THRU T51.
3. REMOVE FALSEWORK BETWEEN PIER 12' AND THE CONSTRUCTION JOINT LETTING THE STRUCTURE REST ON THE TOP OF THE TEMPORARY STEEL BENT.
4. FALSE WORK MAY THEN BE REMOVED TO PIER 11.
5. AFTER CONCRETE IS CAST BEYOND BLISTER NO. 2, STRESS TENDONS NOS. 19 THRU 21. FALSEWORK MAY THEN BE REMOVED TO PIER 10.
6. COMPLETE CONCRETE PLACEMENT AND STRESS REMAINDER OF THE TENDONS IN SEGMENT 2. FALSEWORK MAY BE REMOVED FROM SEGMENT 2 AT THIS TIME.

NORTHERLY TWO THIRDS

STEP

1. CAST CONCRETE BEYOND BLISTER NO. 1 AND STRESS TENDONS NOS. 7 THRU 18 AND 25 THRU 30 FALSEWORK MAY BE REMOVED TO PIER 4.
2. AFTER CONCRETE IS CAST BEYOND BLISTER No. 2, STRESS TENDON NOS. 43 THRU 54. FALSEWORK MAY BE REMOVED TO PIER 5.
3. AFTER CONCRETE IS CAST BEYOND BLISTER No 3, STRESS TENDON NOS. 61 THRU 72. FALSEWORK MAY BE REMOVED TO PIER 6.
4. AFTER CONCRETE IS CAST TO EXP. JT. [2] STRESS TENDON NOS. 79 THRU 90.
5. THEN STRESS TENDONS 97 THRU 108. FALSEWORK MAY BE REMOVED TO EXP. JT. [2]. UPON COMPLETION OF HINGE CONCRETING AND STRESSING. SEGMENT 2 PORTION OF EXP. JT. [2] IS REQUIRED FOR SUPPORT.

SOUTHERLY ONE THIRD

STEP

1. CAST CONCRETE BEYOND BLISTER No. 1 AND STRESS TENDONS 1 THRU 6 AND 19 THRU 24. FALSE WORK MAY BE REMOVED TO PIER 4.
2. AFTER CONCRETE IS CAST BEYOND BLISTER No. 2, STRESS TENDON NOS. 37 THRU 42. FALSEWORK MAY BE REMOVED TO PIER 5.
3. AFTER CONCRETE IS CAST BEYOND BLISTER No. 3, STRESS TENDON NOS. 55 THRU 60. FALSEWORK MAY BE REMOVED TO PER 6
4. COMPLETE CONCRETE CASTING TO EXP. JT. [2], AND STRESS TENDONS 73 THRU 78 AND 91 THRU 96. FALSEWORK MAY BE REMOVED TO EXP. JT. [2]

NOTES:

1. REFER TO SHEET NO. 1105 FOR TENDON ARRANGEMENT PLANS
2. PLACING CONCRETE IS NOT DEPENDENT ON PRESTRESSING OPERATIONS.
3. PRESTRESSING SEQUENCE IS TO BE ARRANGED IN ORDER TO AVOID ECCENTRIC OR OVERSTRESSING CONDITIONS. FINAL SEQUENCE AND DETAILS SHALL BE APPROVED BY THE ENGINEER BEFORE COMMENCING WORK.
4. CONSTRUCTION LOADS MUST BE LESS THAN 10 P.S.F. ON ANY PARTIALLY PRESTRESSED BOX GIRDER

APPROVED FOR CONSTRUCTION
W. B. Abbott 6-15-81
W. B. ABBOTT
Chief Engineer of Bridge Design

No.	REVISION	DATE
1	CONST. SEQUENCE	MARCH 1981

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

T. Y. LIN REGISTERED No. 18266 STATE OF INDIANA PROFESSIONAL ENGINEER

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
CONSTRUCTION SEQUENCE - SUPERSTRUCTURE SEGMENTS 1, 2 & 3

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2548 CONTRACT NO. 8-11812 INDIANA STATE HIGHWAY COMMISSION

SHEET N.
1100