

**INITIAL HYDRAULIC SETTINGS:**

1. SYSTEM PRESSURE ± 1,500 PSI (PUMPS 1 AND 2).
2. FLOW CONTROL VALVES FOR T AND B LINES WILL BE SET TO 1GPM.
3. FLOW CONTROL VALVE FOR A LINE WILL BE SET TO 0.5 GPM.
4. VALVES CLOSED AT BOTH A AND B PORTS ON ALL CYLINDERS.

**LAUNCHING OPERATION LIMITS:**

1. PRIOR TO LAUNCHING, MAXIMUM ANTICIPATED WIND SPEED OVER NEXT 24 HOURS SHOULD NOT EXCEED 30 MPH.
2. IF WIND SPEED EXCEEDS 45 MPH, TENSION SECONDARY CABLES TO 5 KIPS PER CABLE.

**SIDE LAUNCH PROCEDURES:**

1. SURVEY TOP AND BOTTOM CHORD NODES FOR BOTH THE NORTH AND SOUTH TRUSS CHORDS TO ESTABLISH BASE LINE LOCATION OF ALL TRUSS NODES.
2. DIS-ENGAGE SECONDARY RESTRAINT AT ALL JACK STATIONS.
3. OPEN ALL VALVES AT A AND B PORTS ON ALL CYLINDERS.
4. ACTUATE DIRECTIONAL VALVES FOR A, B AND T LINES TO EXTEND CYLINDERS 2" FOR THE FIRST MOVEMENT.
  - A. THE MOVEMENT AT CYLINDER A<sub>i</sub> WILL BE ANNOUNCED OVER THE RADIO IN 1/4" INCREMENTS.
  - B. IF ANY CYLINDER BECOMES MORE THAN ± 1/2" OF THIS MOVEMENT, AN "ALL STOP" WILL BE CALLED AND THE MOVEMENT WILL CEASE. SEE "MOVEMENT CORRECTIVE PROCEDURES".
5. RECORD MOVEMENT AT EACH JACK STATION.
6. ACTUATE DIRECTIONAL VALVES FOR A, B AND T LINES TO EXTEND CYLINDERS 2" FOR THE SECOND MOVEMENT.
  - A. THE TOTAL MOVEMENT AT CYLINDER A<sub>i</sub> WILL BE ANNOUNCED OVER THE RADIO IN 1/4" INCREMENTS.
  - B. IF ANY CYLINDER BECOMES MORE THAN ± 1/2" OF THE TOTAL MOVEMENT, AN "ALL STOP" WILL BE CALLED AND THE MOVEMENT WILL CEASE. SEE "MOVEMENT CORRECTIVE PROCEDURES".
7. RECORD MOVEMENT AT EACH JACK STATION.
8. ACTUATE DIRECTIONAL VALVES FOR A, B AND T LINES TO EXTEND CYLINDERS 2" FOR THE THIRD MOVEMENT.
9. RECORD MOVEMENT AT EACH JACK STATION.
10. SURVEY TOP AND BOTTOM CHORD NODAL POSITIONS.
  - A. IF THE TRUSS NODE SURVEY INDICATES ANY OF THE FOLLOWING CONDITIONS, AN "ALL STOP" WILL BE CALLED. PROCEED TO "CHORD NODAL CORRECTION PROCEDURE".
    1. EITHER TRUSS IS OUT OF PLUMB BY MORE THAN 1/2".
    2. THE RELATIVE TRANSVERSE POSITION BETWEEN TOP CHORD NODES EXCEEDS 1/2".
    3. THE TOTAL RELATIVE TRANSVERSE POSITION DIFFERENCE BETWEEN ANY TWO TOP CHORD NODES EXCEEDS 1/2".
  - B. AT THIS TIME, THE LENGTH OF EACH MOVEMENT CAN BE EVALUATED TO DETERMINE WHETHER THE MOVEMENT LENGTH CAN BE INCREASED TO UP TO 6" PER MOVEMENT.
11. CONTINUE ACTUATING VALVES FOR A, B AND T LINES TO EXTEND CYLINDERS ONE MOVEMENT LENGTH USING THE SAME PROCEDURES AS STEPS 6 AND 7.
  - A. APPROXIMATELY EVERY 12" MOVEMENT INCREMENT, RE-ENGAGE SECONDARY RESTRAINT AND REPOSITION CYLINDERS.
  - B. AFTER EACH MOVEMENT RECORD THE TOTAL MOVEMENT AT EACH JACK STATION. AT EACH 18" MOVEMENT INCREMENT, RE-SURVEY THE TRUSS NODES AND DETERMINE RELATIVE POSITION.
12. AT COMPLETION OF SIDE LAUNCH MOVEMENT, AN "ALL STOP" WILL BE CALLED.

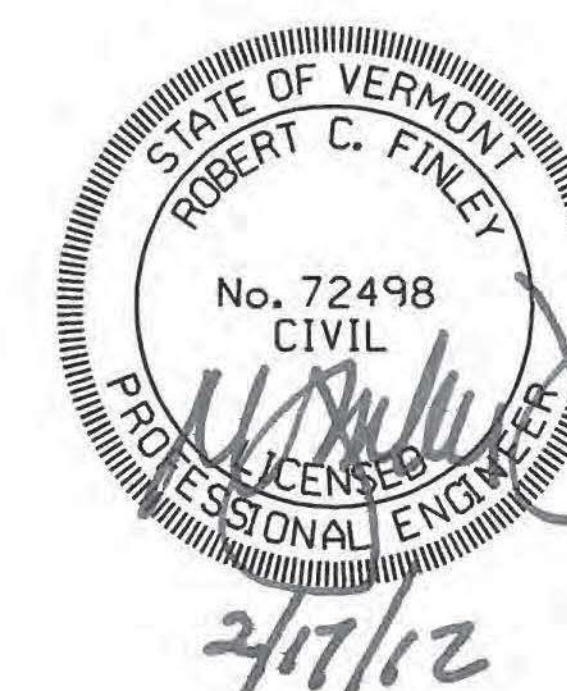
**"ALL STOP" PROCEDURES:**

UPON HEARING AN "ALL STOP" COMMAND, EACH JACK STATION WILL PERFORM THE FOLLOWING:

1. CLOSE THE A PORT VALVE.
2. ENGAGE SECONDARY RESTRAINT.
3. CLOSE THE B PORT VALVE.
4. VISUALLY CHECK THAT ALL TEMPORARY WORKS REMAIN IN THEIR SAME RELATIVE POSITION TO THE EXISTING TRUSS. CHECK THAT ALL CONNECTING RODS DO NOT APPEAR LOOSE, AND THAT THE SLIDING BEARING SURFACES REMAIN IN POSITION AND IN CONTACT.

**CABLE TENSION VERIFICATION:**

THE SPECIFIED PRETENSION FORCE IN EACH CABLE SHALL BE VERIFIED USING A DILLON QUICK-CHECK TENSION METER OR EQUIVALENT DEVICE.



Revision	Drawn By	Date	Description	Revision	Drawn By	Date	Description	Name	Date	Project	Title	Sheet No.	
								Drawn By	RAA	01/12	RICHMOND TRUSS WIDENING STATE OF VERMONT AGENCY OF TRANSPORTATION CHITTENDEN COUNTY U.S. ROUTE 2 BRIDGE NO. 24	CONSTRUCTION MANUAL STANDARD PROCEDURES (1 OF 2)	
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							Approved By	RCF	01/12				