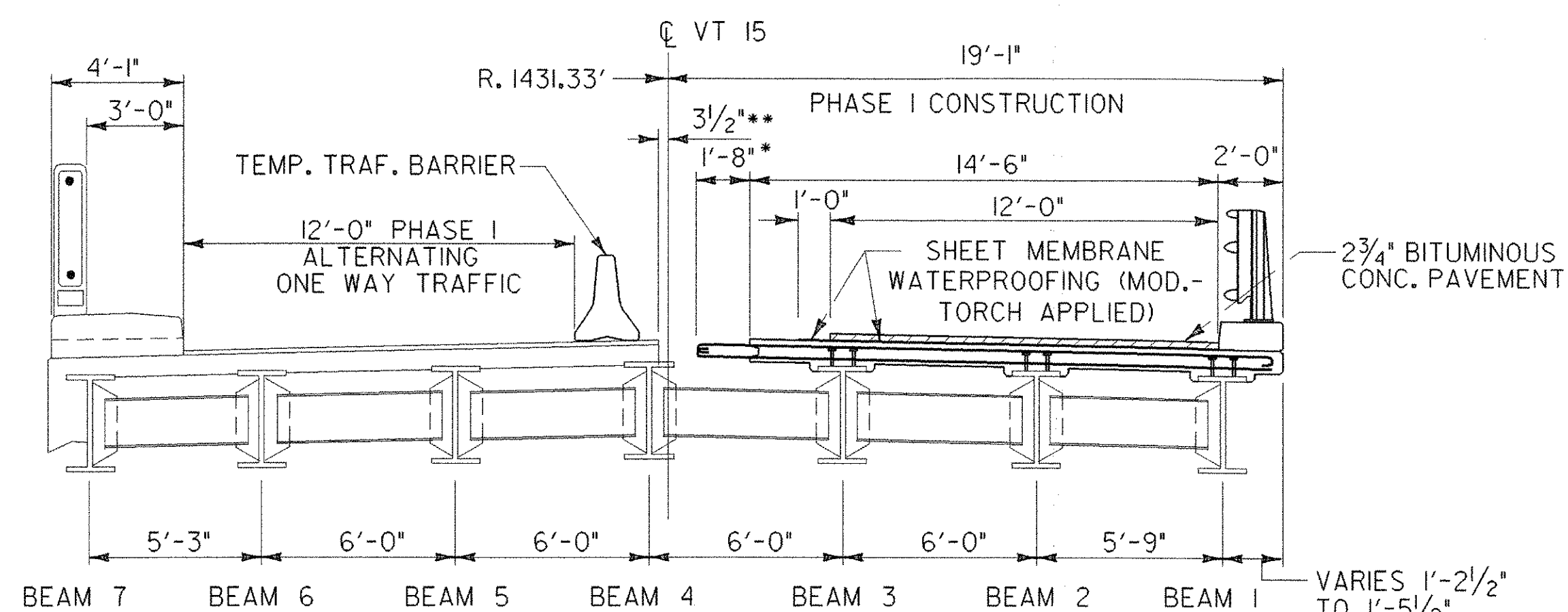


**EXISTING STRUCTURE AT (SPANS 2-5)**

SCALE: 1/4" = 1'-0"



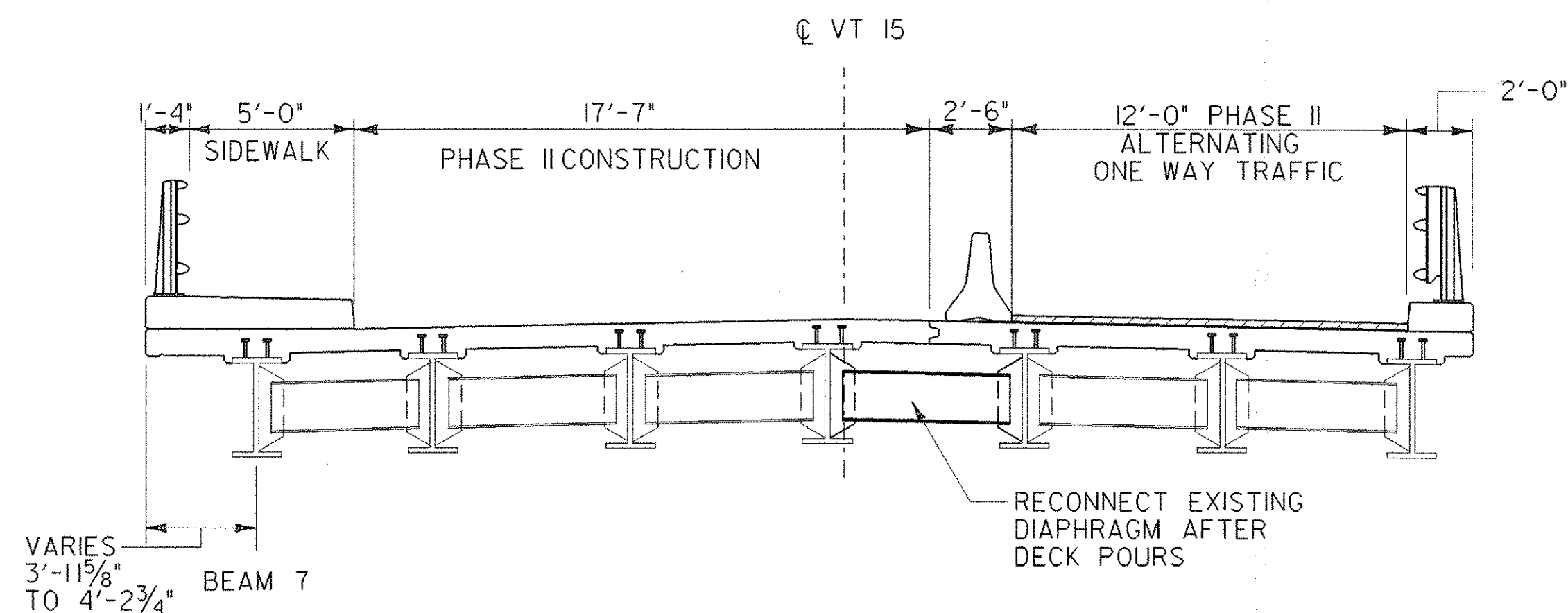
**CONSTRUCTION PHASE I (SPANS 2-5)**

(SPAN 1 SIMILAR)  
SCALE: 1/4" = 1'-0"

\* NOTE: SLOPE HOOKS TO MAINTAIN CLEARANCES.

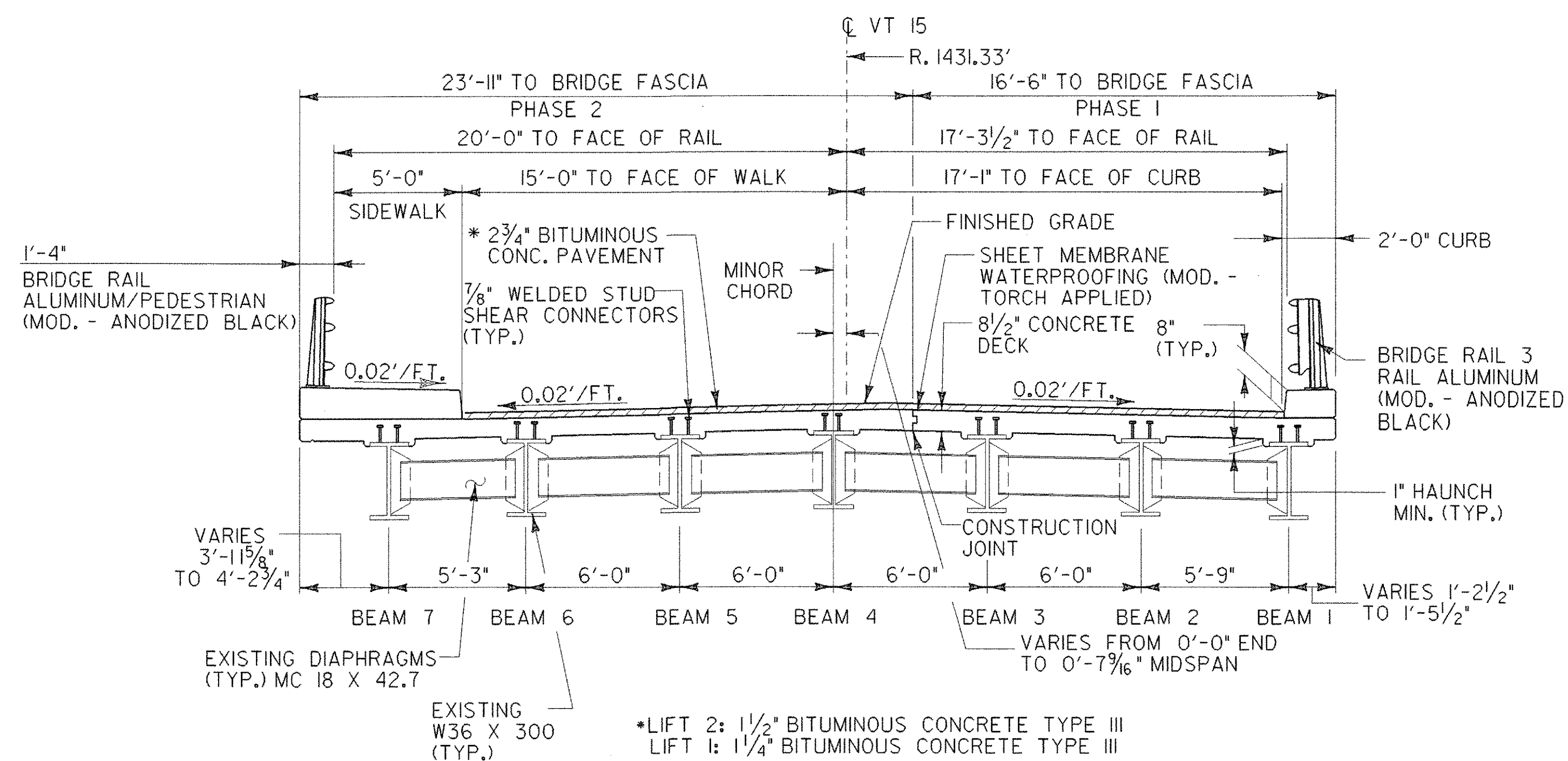
\*\* NOTE: VARIES 7 3/8" IF SAW CUT IN STRAIGHT LINE BETWEEN PIERS. SAW CUT SHOULD BE MADE FOLLOWING ROADWAY CURVATURE, HOWEVER, THE SAW CUT SHALL REMAIN ON OPPOSITE SIDE OF CENTER OF BEAM 4 FROM THE ROADWAY TRAFFIC.

NOTE: LONGITUDINAL STEEL NOT SHOWN FOR CLARITY.



**CONSTRUCTION PHASE II (SPANS 2-5)**

(SPAN 1 SIMILAR)  
SCALE: 1/4" = 1'-0"



**PROPOSED STRUCTURE (SPANS 2-5)**

SCALE: 1/4" = 1'-0"

**PHASE CONSTRUCTION NOTES \*\***

**PHASE I**

1. INSTALL EROSION CONTROL MEASURES.
2. INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM, BEGIN ALTERNATING ONE WAY TRAFFIC.
3. INSTALL TEMPORARY TRAFFIC BARRIER UTILIZING FLAGGERS AS NECESSARY.
4. MOVE TRAFFIC TO THE WESTERN SIDE OF THE BRIDGE.
5. DISCONNECT ONE END OF DIAPHRAGMS ON EAST SIDE OF BEAM 4 PRIOR TO PHASE I SUPERSTRUCTURE REMOVAL.
6. REMOVE EXISTING CONCRETE DECK AND BRIDGE RAILING TO LIMITS SHOWN.
7. RECONSTRUCT TOPS OF EXISTING WINGWALLS.
8. SHORE EXISTING BEAMS AT EACH ABUTMENT AND PIER IN ORDER TO REPLACE BEARINGS.
9. INSTALL NEW BEARINGS, WELDED SHEAR STUD CONNECTORS AND DIAPHRAGMS (WHERE REQUIRED).
10. CONSTRUCT NEW CONCRETE BRIDGE DECK, CURB AND BRIDGE RAIL.
11. CONSTRUCT APPROACH SLAB.
12. INSTALL SHEET MEMBRANE WATERPROOFING AND INSTALL 2 3/4" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS).

\*\* CONTRACTOR MAY ALTER WORK FLOW AS NECESSARY TO COMPLETE THE WORK WITH PERMISSION OF THE RESIDENT ENGINEER.

**PHASE 2**

1. RELOCATE TEMPORARY PRECAST CONCRETE BARRIER FOR PHASE 2 CONSTRUCTION, MOVE VEHICULAR TRAFFIC TO EASTERN SIDE OF BRIDGE.
2. REMOVE EXISTING CONCRETE DECK, SIDEWALK AND BRIDGE RAILING TO LIMITS SHOWN.
3. RECONSTRUCT TOPS OF EXISTING WINGWALLS.
4. SHORE EXISTING BEAMS AT EACH ABUTMENT AND PIER IN ORDER TO REPLACE BEARINGS.
5. INSTALL NEW BEARINGS AND WELDED STUD SHEAR CONNECTORS.
6. CONSTRUCT NEW CONCRETE BRIDGE DECK.
7. RECONNECT DIAPHRAGMS TO CONNECTION PLATES. (SEE NOTE 17 OF THE GENERAL NOTES)
8. CONSTRUCT SIDEWALK AND BRIDGE RAILING.
9. COMPLETE RECONSTRUCTION OF APPROACH SLABS AND APPROACH WORK.
10. REMOVE ALL TEMPORARY TRAFFIC BARRIER FROM BRIDGE.
11. INSTALL BARRELS.
12. COMPLETE INSTALLATION OF SHEET MEMBRANE WATERPROOFING AND 2 3/4" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS).
13. STRIPE NEW LINES.
14. DEACTIVATE SIGNAL LIGHTS AND RESTORE TWO-WAY TRAFFIC.
15. COMPLETE MISCELLANEOUS CONSTRUCTION.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	CAMBRIDGE	Bridge No.	20
Highway No.	VT 15	Log Sta.	
		Surv. Sta.	
<b>VT 15 OVER LAMOILLE RIVER</b>			
<b>PHASE CONSTRUCTION TYPICALS</b>			
Designed By	B. W. ERNST	Drawn By	A. N. BEY
Checked By	Date	Bridge Design Supervisor	
	M. K. CHEVALIER	R. R. WHITCOMB	Date 11/3/2006
PROJECT	CAMBRIDGE	PROJECT NO.	BHF 030-2(19)S
I.G.C. Info. zb308scl.dgn			
Bridge Sheet No.		Sheet	25 of 68