



NOTES

- For detail shear connectors see SCB-30-62 & SCB-02-62
- All diaphragms to be 18"x4"x22" with interior diaphragms perpendicular to the beams of each span. Diaphragms at the piers as per detail at left, and at intermediate Sta 2 as per sheet Expansion End Details. Interior diaphragms as per std shd SCB-D7-62
- The center beam in each span is at the major chord of that span. All beams in each span are parallel. See SCB-30-62 for beam cover & details.
- Expansion bearing to be installed in such a position that it will be in a vertical position at a steel temperature of 60° See note #2 of Expansion End Details sheet.
- E1 datum sea level based on nearest U.S. Government vertical control.
- Cross slope of approach slab to conform with the cross slope of bridge.
- All dimensions given at 26°F.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
106-A	CHAN. EXCAV. OF EARTH	C.Y.				AB
106-B	CHAN. EXCAV. OF ROCK	C.Y.				
106-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401AA	CONC. CLASS 44 (MOD)	C.Y.	521			
402	REINF. STEEL	LB.				See Reinforcing Schedule
403	ASPHALTIC. ASS. COATING	S.Y.				
501-B	TREATED TIMBER PILING	L.F.				
502	SPLICES FOR STEEL PILING	EA.				
503	STEEL PILING	L.F.				
373	EXP. JOINT MATERIAL	L.F.			167	
374	THE EMULSION FOR BRIDGE PAVING	SQ. YD.	400			STAGE II
375-B	PRE-CAST CONCRETE PAVEMENT	SQ. YD.	200		84	STAGE II
504	SPECIAL REINFORCEMENT (1740)	L.B.	1,850		1,850	
505-A	STRUCTURAL STEEL	LB.	525,030		530,716	
505-C	BRIDGE BRIDGE CURB (Steel)	L.F.	511		541	
506	BRIDGE PAINTING (Galvanized)	SQ. YD.	386		585	

RICHMOND-HIGHGATE IM MEMB(13)

SHEET 28 OF 29
BRIDGE 100N&S
FOR REFERENCE ONLY

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

TOWN OF **HIGHGATE**

ROUTE NO. 189 NORTHBOUND LANE STA. 870+00
FRAMING PLAN & EXP. BRGS.

ROCK RIVER
 SCALE AS NOTED

SURVEYED BY _____

REVISED BY J.A.B. CHECKED BY **END**

PROJECT NO. **I-89-3(33)**

SHEET **103** OF **204**

BR-204

STAGE II PROJECT NO. **I-89-3(24)**
 SHEET **06** OF **127**