



CALCULATION PLAN

Vermont Agency of Transportation
RECEIVED

CK'D BY CLB OK'D BY CWC

October 5, 2017

RESUBMIT NO Approved
 BY C. CARLSON DATE 10/05/17

**** NOTE ****
 THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS DWG IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION.

CALCULATION PLAN NOTES:
 1. LONGITUDINAL DIMENSIONS ARE SLOPING ALONG BTM OF GIRDERS WITH CORRECTIONS MADE FOR DL CAMBER, V.C. & GRADE (UN).
 2. TRANSVERSE DIMENSIONS ARE IN A HORIZONTAL PLANE (UN).
 3. ARROW POINTS TOWARD LOW END OF MEMBER.
 4. ENDS OF GIRDERS & BRG STIFFENERS ARE VERTICAL AFTER DL ROTATION.
 5. INT. DIAPHRAGM STIFFENERS ARE NORMAL TO GRADE.
 6. BOTTOM POINT NUMBERS = TOP POINT NUMBERS + 200
 7. DROPS ARE CALCULATED IN THE FINAL CONDITION.

Line	GRADES					ABUT 1	PIER 1	PIER 2	ABUT 2
	LEN AL	LEN A	LEN B	LEN CL	LEN C				
1	29'-9 ¹⁵ / ₁₆	53'-4 ¹ / ₂	109'-3 ⁵ / ₁₆	23'-6 ⁹ / ₁₆	53'-4 ¹ / ₄	-.0334	-.0300	-.0083	-.0045
2	30'-2 ¹ / ₁₆	53'-11 ¹⁵ / ₁₆	110'-6 ⁹ / ₁₆	23'-9 ¹³ / ₁₆	53'-11 ³ / ₄	-.0330	-.0296	-.0082	-.0044
3	30'-6 ³ / ₁₆	54'-7 ³ / ₈	111'-9 ³ / ₄	24'-1 ¹ / ₈	54'-7 ³ / ₈	-.0326	-.0293	-.0081	-.0044
4	30'-10 ³ / ₈	55'-2 ¹ / ₁₆	113'-1	24'-4 ³ / ₈	55'-2 ¹ / ₁₆	-.0323	-.0290	-.0080	-.0043
5	31'-2 ⁹ / ₁₆	55'-10 ⁵ / ₁₆	114'-4 ³ / ₁₆	24'-7 ¹¹ / ₁₆	55'-10 ¹ / ₈	-.0319	-.0287	-.0080	-.0043

APPROVAL	9/19/17	APPROVAL COMMENT	JTB	WJL		
REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:	HOLES:		SHOP BOLTS:	
DESCRIPTION:		CALCULATION PLAN				
		CASCO BAY STEEL STRUCTURES, INC. 1 WALLACE AVE. PHONE (207) 780-6722 SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726				
STRUCTURE: VT RTE 15A OVER LAMOILLE RIVER		DRAWN:	DATE:			
ROUTE No. VT 15A, MAJOR COLLECTOR		JTB	07/31			
BRIDGE No. 1		CHKD:	DATE:			
COUNTY OF LAMOILLE		WJL	08/30			
LOCATION: MORRISTOWN, VT		JOB NO.	DWG NO.			
PROJ NO. BR5-0240(3)S & STP HES Q30-2(28)		713	WS1			
CUSTOMER: STATE OF VERMONT R.O.T.			REV.			

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