

Vermont AOT				PG 2/2
I-91 of Broad Brook & BB Road				
Bridge No. 3N&S				
SUPPORT ANGLE DESIGN: (Grade 40 Steel)				
GAGE:	12	GAGE:	12	Fy: 40ksi
SIZE:	3x2	Ta:	0.1046	f/s=0.725Fy: 29ksi
MOMENT ARM (e): 1" MIN BRG.- ANGLE THICKNESS (Ta)				
	e:	0.8954		
DESIGN SPAN / ANGLE:		GIRDER SPACING-FLG. WPTH. - 2Ta		
	D:	99.00	16.000	0.2092 82.7908
LOAD: Ws X D/12/2				
	P:	175.15	3.45	604.20
MOMENT: LOAD (P) X MOMENT ARM (e)				
	M:	604.20	0.8954	541.00
SECTION MODULUS b (12)X Ta2 X/6				
	S:	12	0.010941	6 0.02188232
ACTUAL STRESS: M/S				
		541.00	0.021882	24,723.20

TVGA CONSULTANTS

- NO EXCEPTIONS TAKEN REJECTED
 FURNISH AS CORRECTED
 REVISE AND RESUBMIT

ENGINEER has reviewed Shop Drawings and Samples and other data which Contractor is required to submit, and conforms with the information given in the Contract Documents and complies with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. Such review does not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs inherent thereto. Such review does not extend to any LEED certification or accreditation. Contractor is responsible for dimensions to be confirmed and controlled at the job site; for information that pertains solely to the fabrication processes or to techniques of construction; and for coordination of the work of all trades.

BY: *Andrew*
 DATE: 4/8/2008