GENERAL NOTES:

1. FABRICATION AND TESTING OF BEARINGS SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION (2006), SECTIONS 531 & 731 AND AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DIVISION I, SECTION 14 & DIVISION II, SECTION 18, UNLESS NOTED OTHERWISE.

2. MATERIALS:

SOLE & MASONRY PLATES*	ASTM A572, AASHTO M270 GR50, or ASTM A709 GR50
ELASTOMER	60±5 DUROMETER NATURAL RUBBER, Gr.4 SM = 150psi ±22.5psi
STEEL SHIMS	~~ASTM A1011 Gr. 40~~ AASHTO M270 GR50, ASTM A709 GR50
10ga STAINLESS STEEL SURFACE	ASTM A240 Ty. 304 w/ #8 MIRROR FINISH
½" STAINLESS STEEL BACKING PLATES	ASTM A240 Ty. 304
ANCHOR BOLTS	ASTM A307
HEAVY HEX NUTS	AASHTO M 291
PLATE WASHERS	ASTM A36

FABRIC PADS CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, SUBSECTION 731.01.

PTFE CONFORMS TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION I, SECTION 15 & DIVISION II, SECTION 18.8.

*ALL CORNERS & EDGES OF PLATES SHALL BE GROUND TO A 1/16" RADIUS.

3. TOLERANCES:

BEARING DEVICES AND COMPONENTS:	
HORIZONTAL DIM.	±1/16"
DESIGN THICKNESS	±1/16"
BEVEL SLOPE	±0.002 rad
SIZE OF HOLES/SLOTS	−0, +1/8"
POSITION OF HOLES/SLOTS	±1/16"
POSITION OF WELDED COMPONENTS	±1/16"
FLATNESS (SOLE PLATE)	0.01" MAX. DEVIATION
FLATNESS (SOLE PLATE) (surfaces to which S.S. will be attached)	0.0005 x NOM. DIM.
FLATNESS (MASONRY PLATES)	0.04" MAX. DEVIATION
FLATNESS (S.S. SURFACE) (when mating w/ PTFE bonded to steel)	0.0005 x NOM. DIM.
FLATNESS (S.S. SURFACE) (when mating w/ PTFE bonded to fabric pad)	0.01" MAX. DEVIATION
SURFACE FINISH	MAX. 125 rms
ELASTOMERIC PADS:	
HORIZONTAL DIM.	−0, +1/4"
DESIGN THICKNESS	−0, +1/4"
THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER	±1/8"
PARALLELISM:	
TOP	±0.005 rad (0.005"/in.)
SIDES	±1/4"
EDGE COVER OF EMBEDDED LAMINATES	−0, +1/8"
MISCELLANEOUS HARDWARE:	
ANCHOR BOLT LENGTH	±1/4"

4. WELDING:
   ALL DESIGN DETAILS, QUALITY OF WORK, PROCEDURES, AND INSPECTION OF WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AWS D1.5 BRIDGE WELDING CODE & D1.6 STRUCTURAL WELDING CODE – STAINLESS STEEL.

5. PAINT / COATINGS:
   ALL SOLE, SHIM AND MASONRY PLATES AND ALL HARDWARE (ANCHOR BOLTS, NUTS, PLATE WASHERS) SHALL BE GALVANIZED PER AASHTO M 111 OR AASHTO M 232, AS APPLICABLE.

6. TESTING:
   100% SHORT TERM LOAD TESTING, 10% LONG TERM LOAD TESTING, AND COEFFICIENT OF FRICTION TESTING IS INCLUDED.

7. MARKING:
   WITH INDELIBLE INK OR FLEXIBLE PAINT, MARK EACH BEARING WITH LOCATION, ORIENTATION, ORDER NUMBER, LOT NUMBER, BEARING IDENTIFICATION NUMBER, AND ELASTOMER TYPE AND GRADE. PLACE ON A FACE WHICH WILL BE VISIBLE AFTER ERECTION OF THE BRIDGE.

8. SHIPPING:
   BEARINGS SHALL BE PACKAGED IN SUCH A MANNER TO ENSURE THAT DURING SHIPMENT AND STORAGE THE BEARINGS WILL BE PROTECTED AGAINST DAMAGE FROM HANDLING, WEATHER, OR ANY NORMAL HAZARD.

9. MANUFACTURER'S REPRESENTATIVE:
   S.V. RATHNAM ..... (903) 675-8571

DRAWING REFERENCE:

VT AOT CONTRACT PLANS
PROJECT: AC IM 091-1(33)

SHEETS BR130, BR130A,
BR131 & BR132
DATED 4/28/08

TVGA CONSULTANTS

☐ NO EXCEPTIONS TAKEN ☐ REJECTED
☒ FURNISH AS CORRECTED
☐ REVISE AND RESUBMIT
Contractor has reviewed Shop Drawings and Samples and other data which Contractor is required to submit, only for conformance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. Such review does not extend to any means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incidental thereto. Such reviews do not extend to any USED combination or assemblies. Contractor is responsible for dimensions to be confirmed and correlated at the job site for fabrication that performs safety to the fabrication processes or to techniques of construction and for coordination of the work of all trades.

BY: James W Wagner
DATE: 1/28/09

Seismic Energy Products, L.P.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
518 PROGRESS WAY PHONE: 903-675-8571
ATHENS, TEXAS 75751 FAX: 903-677-2875

STATE OF VERMONT
AGENCY OF TRANSPORTATION

CUSTOMER: J.A. McDONALD
P.O. NO: SIGNED QT

TOWN OF	HIGHWAY NO.	BRIDGE NO.
GUILFORD	I-91	3N & 3S

PROJECT	PROJECT NO.
GUILFORD	IM 091-1(33)

I-91 OVER BROAD BROOK
& BROAD BROOK ROAD
GENERAL NOTES

REV	DESCRIPTION	DATE
A	ORIGINAL SHOP DWG ISSUE	11/25/08

DWN BY DMH | DATE 10/8/08 | DRAWING NO. 38627VT-01 | SHEET NO. 1 OF 8
CHK BY CW | DATE 10/14/08

SCALE: NTS

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