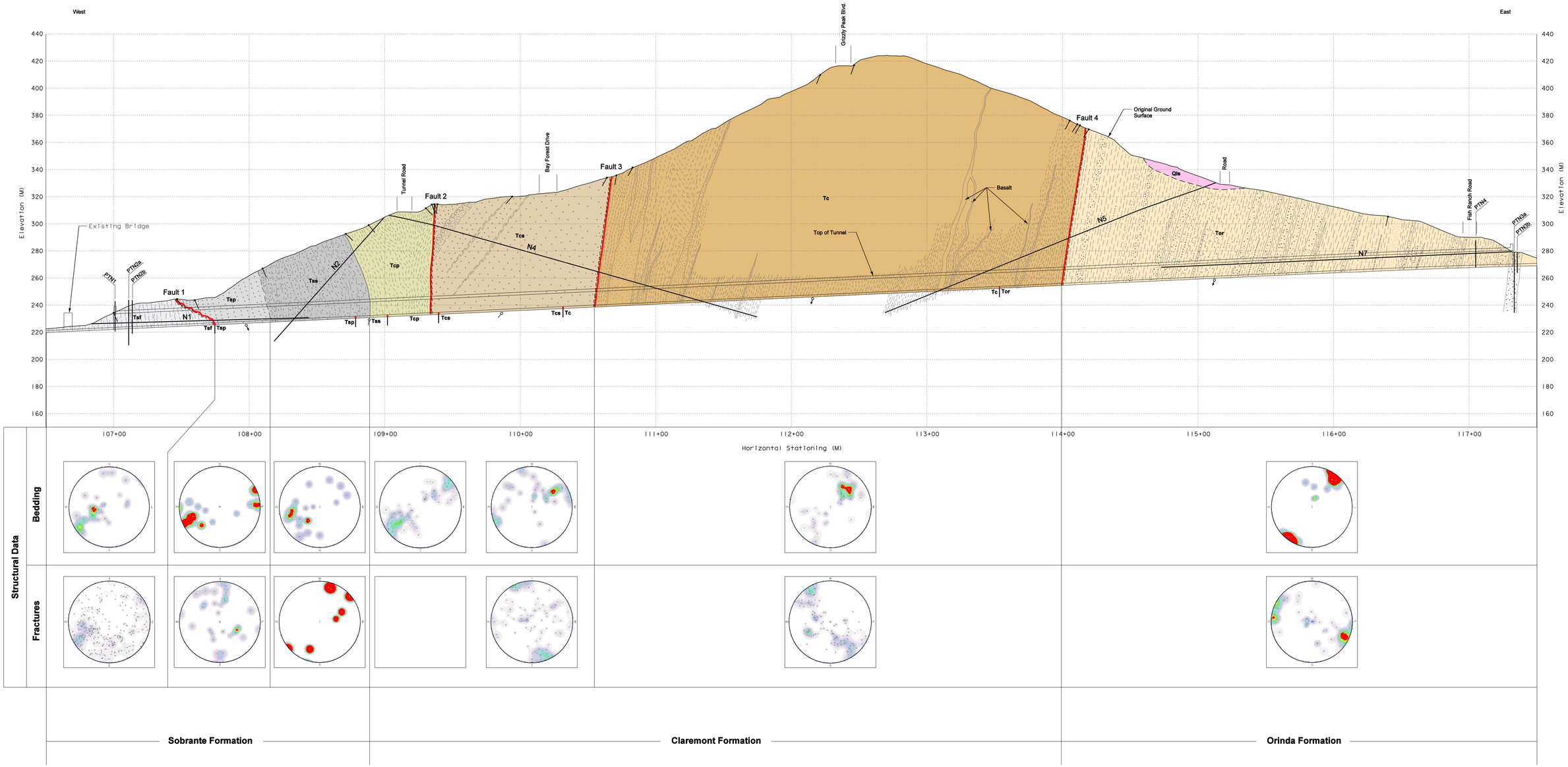

EXPLANATION

GEOLOGIC UNITS

Middle to Late Miocene

Tor	ORINDA FORMATION: Interbedded Sandstone, Siltstone, Claystone and Conglomerate (Undifferentiated)
	CLAREMONT FORMATION
Tc	Chert and Shale
Tcs	Sandstone (Page's [1950] "Second Sandstone")
Tcp	Shale and Chert (Page's [1950] "Preliminary Chert")
	SOBRANTE FORMATION
Tss	Sandstone and Shale (Page's [1950] "Shaly Sandstone")
Tsp	Sandstone (Page's [1950] "Portal Sandstone")
Tsf	Shale (Page's [1950] "First Shale")

SYMBOLS

- Geologic contact; solid where abrupt; dashed where approximate of gradational
- Fault contact
- Tsf ↑ Tsp — Geologic contact projected from Bores 2 and 3
- General dip of beds from Bore 3 (Radbruch, 1964) projected to section
- Measured dip of beds from Bore 3 (Radbruch, 1964) projected to section
- Measured dip of beds at ground surface

Notes:

1. See Plates 1 and 2 for tunnel alignment and boring locations.
2. Geologic contacts at tunnel horizone based on projection of contacts observed in bores 2 (i.e. Page, 1950) and 3 (i.e. Radbruch, 1964). These contacts may or may not represent the actual unit contact locations along the fourth bore.
3. Cross section is highly interpretive and may not represent actual geologic conditions along the tunnel alignment. Use with caution.
4. Basalt dikes/sills also were encountered in borings drilled in the First Shale (Tsf) and Shaly Sandstone (Tss); however, these are too small to show at the scale of the section.
5. Strucural data from geologic mapping and test pits by Geomatrix. See GDR (Geomatrix, 2008) for additional information.

0 — 50 Meters

PRELIMINARY GEOLOGIC SECTION ALONG
PROPOSED FOURTH BORE ALIGNMENT
Caldecott Tunnel Improvement Project
Alameda and Contra Costa Counties, California

By: T. Crampton	Date: 6/27/2008	Project No. 7321.000
Geomatrix		Plate A