Christopher Stevick

From:

To: Sent:

Monday, September 12, 2005 4:20 PM

Subject:

Water Street Trestle

Petaluma Redevelopment,

These engineered drawings* show just two of the many ways the Water Street Trestle can be repaired or rebuilt. It is my opinion that to date you have seriously underestimated the significance of this structure, the possibilities for its restoration, and the possibilities for varied sources of funding.

*Copies left at the front desk

Thank you, Christopher Stevick 28 liberty St. 94952 778-7878





PETALUMA WATER ST. TRESTLE

Date 7 APR 05
PE JMC 1 of 2

ASSUMPTIONS (TO BE VERIFIED)

PRELIMINARY

MAX. TROLLEY WT. MAX. PASSENGER WT. X MIN. PILE CAPACITY 80,000#

10 TON (DEAD + LIVE) WORKING LOADS 20 TON (DEAD+ LIVE+ EQ) WORKING LOADS

* UBC SEISMIC VALUE - NEED SITE

SPECIFIC VALUE FROM GEOTECH.
VALUES WILL NEED TO BE
MODIFIED TO COMPLY WITH
REAMA STDS. THIS IS THE NATIONALLY
ACCEPTED ORGANIZATION, WHICH HAS
DEVELOPED STANDARDS FOR
RAILWAY DESIGN.

* REQUIRES ADDITIONAL GEOTECHNICAL INVESTIGATION AND EVALUATION

NOTE: IT MAY NOT BE POSSIBLE TO ACHIEVE 20 TON WORKING LOAD, IN WHICH CASE ADD'L PILES WILL BE ADDED, OR TRESTLE SPACING WILL BE REDUCED.

WARNING: GEOTECHNICAL INFO IS VERY SKETCHY. FURTHER INVESTIGATION WILL BE REQUIRED PRIOR TO FINAL DESIGN. THIS TYP. CROSS SECTION IS PREJEMINIARY, DEPTH OF PENETRATION W/ WOOD PILES IS UNKNOWN,

JOD# 04 2153 PETALUMA WATER ST. TRESTLE Date 7 APR 05 15'-0" O.C. PEJMC 2 or 2 PREL structural engineering 5-0" 5'-6"± 5'-6"± -3×12 DECKING W/2-401 GALV./TIE 103 MAX. -8×8× 16 TIE-16" -71x 152 DF #1-TYP. 11 X13 DF SEL, STR. CAF # 2"NOTCH GALY. 34" x 40" M.B. 1" X 24" STAINLESS ST. LAGS TYP. - 4 LOCS. GALV. 3-6" 5 × 262 M.B.S N.T.S, 3MAX HIGH WATER LINE TYP @ 36"O.C. PILE SIM. MUD LINE TO OPP. (APPROX.) LOW WATER LINE SIDE H"BUTT END CREOSOTE WOOD PILES (35 + LONG) BEDROCK DETERMINED' BY GEOTECH TYP TRESTLE 4=1-0"

