CBR=4

Title	Sheet No. of
Advanced Const. Mat'ls Site Pal Total	1 1
By MK 2/13/00 Chk. / /	Job No. CET-3120

SSOE, Inc. • 1001 Madison Avenue • Toledo, Ohio 43624 • Fax 419-255-6101 • 419-255-3830

- School Bus Yard, Pal Empty Bus Storage
- 180 School Days/Yr. 2 Trips/Day 20 Yrs.
- Std. Bus 12K Single & 9K Single 100 Busses.
- 2 Fuel Tankers/Week. Semi's.

• Find Total E-18's. • Pal SN = 3 p_t = 2.0

+ Bus Total E-18's

9K Axle → 0.002 E-18's
12K Axle → 0.189 E-18
0.191 Total E-18/Bus.

+ Tanker Total E-18's

Assume 2-34K Tridems & 12K-Single

2 x 34K Tridems → 2 x 1.08 = 2.16 E-18's
12K Single → = 0.19 E-18's
2.35 E-18's

Total Site 20-Yr E-18's

Bus: 0.191 x 100 x 2 x 180 x 20 = 137,520
Tanker: 2.35 x 2 x $\frac{180}{5}$ x 20 = 3384
140,904 E-18's

With CBR = 4 — M_R = 4 x 1000 = 4000 psi
p_t = 2.0 ΔPSI = 4.5 - 2 = 2.5 R = 80%
SN = 2.65