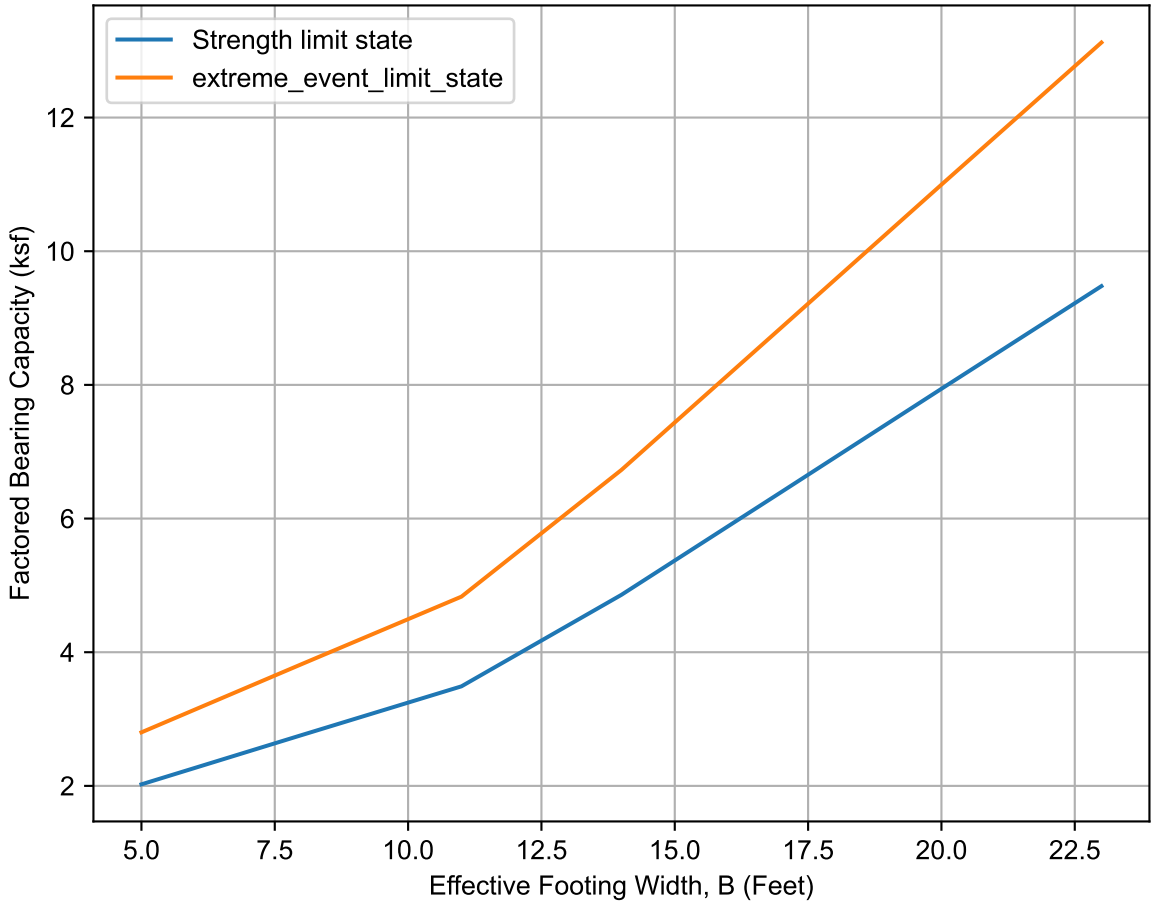
CAL 8/19/21 file



Footing information

Width, B (ft)	30.0
Length, L (ft)	45.0
Embedment, D_r (ft)	2.0
L/2 (ft)	22.5
B/2 (ft)	15.0
Influence Dept (ft)	60.0

Applied footing stress

Load, q (ksf)	84.1
Req'd load (kips)	50.0
Stress, q (ksf)	0.521

Total Settlement at Base of Footing

$\Sigma\Delta H_i$, WSDOT	3.25
$\Sigma\Delta H_i$, AASHTO	4.87

Notes:
1. SETTLEMENT ESTIMATES CALCULATED BASED ON HOUGH (1959). SOIL LAYERING AND GROUNDWATER PROFILE BASED ON INDIVIDUAL SAMPLES REPORTED IN BORING XXXXX. DEPTH TO BEARING IS APPROXIMATELY XXX FEET FROM EXISTING GROUND SURFACE.
2. FOOTING ASSUMED TO BE BEARING ON VERY DENSE GRANULAR SOILS AT AN ELEVATION OF XX FEET (X FEET BELOW EXISTING GRADE).
3. WE HAVE ASSUMED NO LIQUEFACTION OCCURS.
4. FOOTING LENGTH AND WIDTH ASSUMED TO BE EQUAL (I.E. SQUARE FOOTING). -OR- FOOTING LENGTH ASSUMED CONSTANT AT XX FEET (I.E. RECTANGULAR FOOTING).
5. THE EFFECTIVE FOOTING WIDTH FOR BEARING PRESSURE SHALL BE CALCULATED ACCORDING TO SECTION 6.4 OF FHWA-SA-02-024 GEOTECHNICAL ENGINEERING CIRCULAR NO. 5 SHALLOW FOUNDATIONS.
6. THESE RECOMMENDATIONS ARE PRELIMINARY RESULTS ONLY AND ARE SUBJECT TO CHANGE PENDING FINAL EVALUATIONS OF ESUS AND SITE GEOMETRY.

HALEY ALDRICH

SPARROWS POINT LNG
SPARROWS POINT, MARYLAND
AES SPARROWS POINT LNG TERMINAL

HA-204 PRELIMINARY SETTLEMENT DUE TO NEW FILL

8/21

FIGURE 32907-260