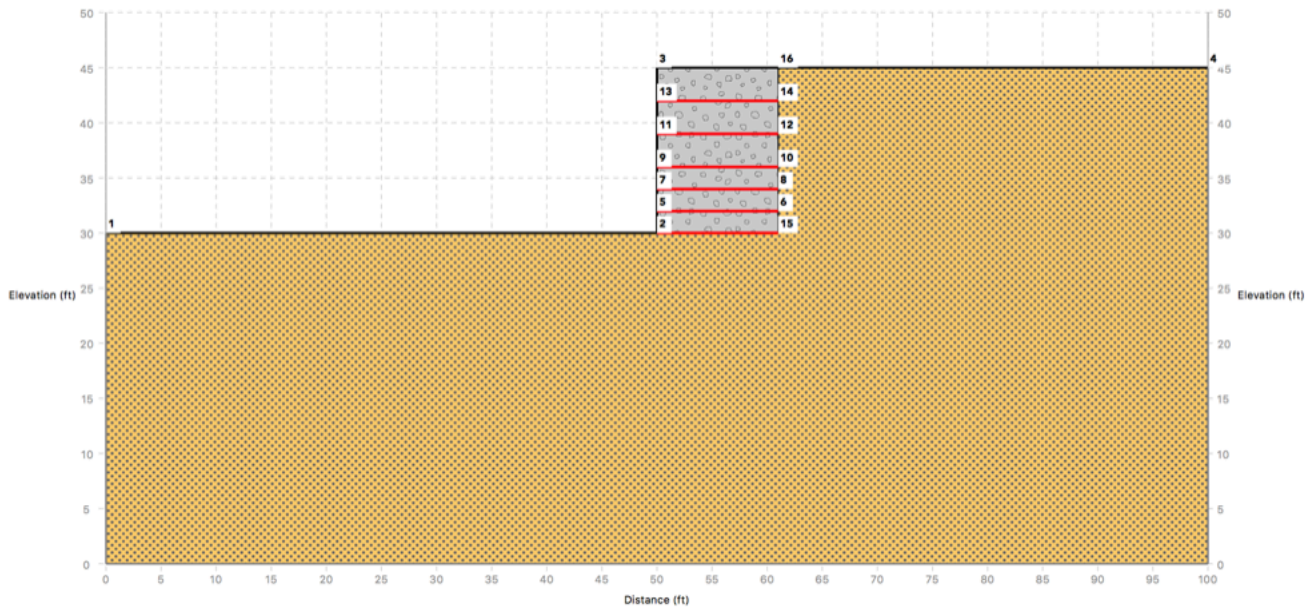


Stage: Auto Geometry



Drawing Units: Imperial (ft)

Region 1

Material: Sand

Point 16: (61, 45)

Point 4: (100, 45)

Point (bottom right): (100, 0)

Point (bottom left): (0, 0)

Point 1: (0, 30)

Point 2: (50, 30)

Point 15: (61, 30)

Point 16: (61, 45)

Region 2

Material: Backfill

Point 11: (50, 39)

Point 13: (50, 42)

Point 3: (50, 45)

Point 16: (61, 45)

Point 15: (61, 30)

Point 2: (50, 30)

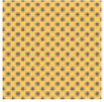
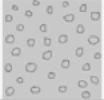
Point 5: (50, 32)

Point 7: (50, 34)

Point 9: (50, 36)

Point 11: (50, 39)

Materials

	Name	γ (lb/ft ³)	c (psf)	ϕ (°)	Piezo
	Sand	120	0	30	Dry
	Backfill	120	0	35	Dry


Sand

Type: Soil
 Unit Weight: 120 pcf
 Cohesion: 0 psf
 Friction: 30 deg
 r_u Coefficient: 0
 B-bar Coefficient: 0
 Piezometric surface: N/A

Backfill

Type: Soil
 Unit Weight: 120 pcf
 Cohesion: 0 psf
 Friction: 35 deg
 r_u Coefficient: 0
 B-bar Coefficient: 0
 Piezometric surface: N/A

Reinforcements

	Name	Type	Strength
	Geogrid	Geosynthetic	Tensile = 1185 lbf/ft Pullout = 50, 50 deg

Reinforcements Used in this Stage (cont'd)

Geogrid

Type: Geo Synthetic

Area Coverage: 100%

Tensile Strength: 1185 lbf

Tensile FOS: 1

Upper Interface Angle: 50 deg

Lower Interface Angle: 50 deg

Pullout FOS: 1

Force Inclination: 0

Force Distribution: Apply at

Failure Surface

Use Computed FOS: No

Analysis Results

Summary

Minimum Factor of Safety: **1.478**

Lambda (λ): 0

Slip Centers Attempted: 123

Number of Trials Attempted: 4656

Number of Trials Removed: 2626

Number of Trials Non-Converged: 25

Settings

Unit Weight of Water: 62.4 pcf

Method: Bishop

Convergence Tolerance: 0.001

Iteration Limit: 30

Search Type: Auto Search

Auto Search Resolution Tolerance: 2

Maximum Slice Width: 0.5 ft

Seismic Coefficient (k): 0

Minimum Slip Depth: 3 ft

Analysis Results (cont'd)

Allow Base Tension: Yes
Allow Interslice Tension: Yes
Allow Interslice Shear > Available Shear: Yes
M-Alpha Warning: 0
Allow M-Alpha < Warning: Yes

Trials Removed

Trials with M-Alpha < Warning: 0
Trials with negative FOS: 0
Trials with negative mobilized based shear forces: 8
Trials having slices with no force resolution: 0
Trials with base normal tension forces: 0
Trials with interslice tension forces: 0
Trials with internal forces exceeding strength criterion: 0
Trials with shallow slip depth (< 3 ft): 586
Trials with less than 3 slices: 43
Trials passing through drawing side boundary: 1396
Trials with no slices having soil base: 0
Trials passing outside range: 0
Trials with flat slip surface: 593
Trials with invalid geometry: 0

Ranges

Range from (50, 45) to (70, 45)

Surcharges

None

Point Loads

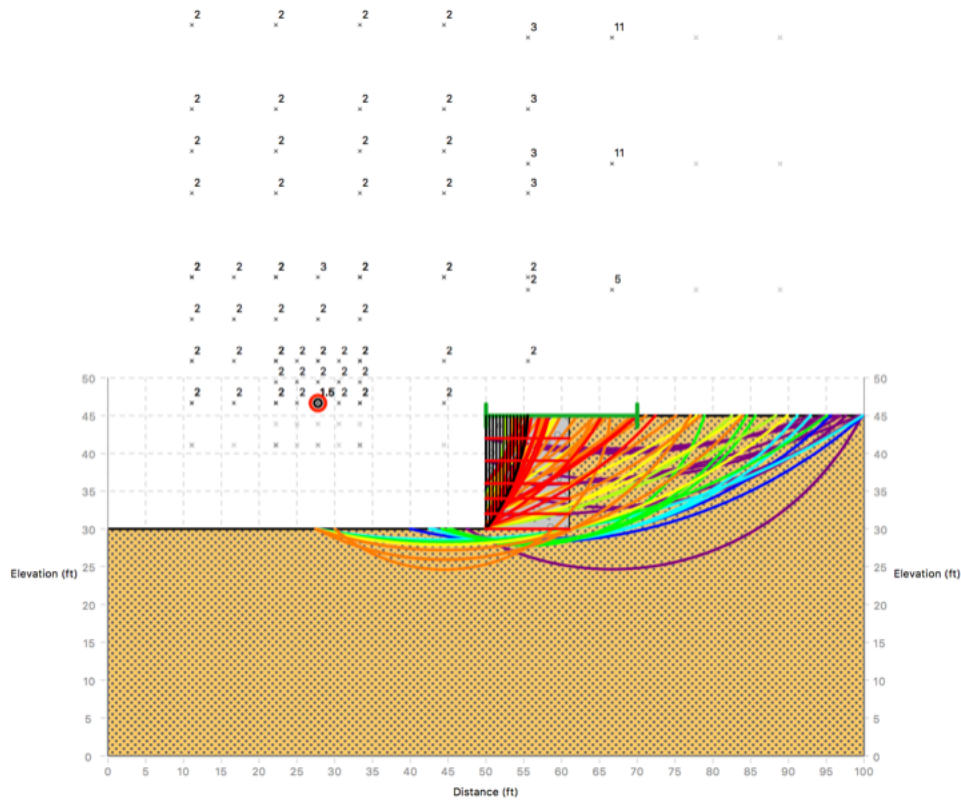
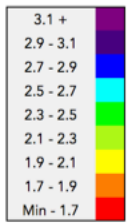
None

Specified Surfaces

None.

Global Minimum Slip Center - Minimum FOS Trial #10

Global Minimum Slip Center - Minimum FOS Trial #10



Slip Center of Rotation: (27.778, 46.666)

Number of Trials Attempted: 142

Number of Trials Removed: 74

Number of Trials Non-Converged: 0

Minimum Factor of Safety: **1.478**

Lambda (λ): 0

Segment Start: (50, 30) End: (55.505, 45)

Segment Slope Angle: 0.37H:1V

Slip Radius: 27.78 ft

Slip Direction: Right to Left

Number of Slices: 12

Tension Crack: No

Driving Moments: 97,192.77 lbf-ft

Driving Forces: 0 lbf

Resisting Moments: 143,665.97 lbf-ft

Resisting Forces: 0 lbf

Analysis Results (cont'd)

Trials Removed

Trials with M-Alpha < Warning: 0
Trials with negative FOS: 0
Trials with negative mobilized based shear forces: 0
Trials having slices with no force resolution: 0
Trials with base normal tension forces: 0
Trials with interslice tension forces: 0
Trials with internal forces exceeding strength criterion: 0
Trials with shallow slip depth (< 3 ft): 0
Trials with less than 3 slices: 2
Trials passing through drawing side boundary: 0
Trials with no slices having soil base: 0
Trials passing outside range: 0
Trials with flat slip surface: 72
Trials with invalid geometry: 0

Warnings

Interslice forces in tension

Stage: Search Grid

Analysis Results

Summary

Minimum Factor of Safety: **1.349**
Lambda (λ): 0
Slip Centers Attempted: 315
Number of Trials Attempted: 2930
Number of Trials Removed: 1460
Number of Trials Non-Converged: 0

Settings

Unit Weight of Water: 62.4 pcf
Method: Bishop

Analysis Results (cont'd)

Convergence Tolerance: 0.001
Iteration Limit: 30
Search Type: Search Grid
Slip Entry Interval: 0.5
Maximum Slice Width: 0.5 ft
Seismic Coefficient (k): 0
Minimum Slip Depth: 3 ft
Allow Base Tension: Yes
Allow Interslice Tension: Yes
Allow Interslice Shear > Available Shear: Yes
M-Alpha Warning: 0
Allow M-Alpha < Warning: Yes

Trials Removed

Trials with M-Alpha < Warning: 0
Trials with negative FOS: 0
Trials with negative mobilized based shear forces: 0
Trials having slices with no force resolution: 0
Trials with base normal tension forces: 0
Trials with interslice tension forces: 0
Trials with internal forces exceeding strength criterion: 0
Trials with shallow slip depth (< 3 ft): 0
Trials with less than 3 slices: 0
Trials passing through drawing side boundary: 1460
Trials with no slices having soil base: 0
Trials passing outside range: 0
Trials with flat slip surface: 0
Trials with invalid geometry: 0

Ranges

Range from (50, 32) to (50.056, 28.332)

Surcharges

None

Analysis Results (cont'd)

Point Loads

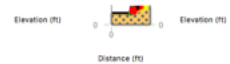
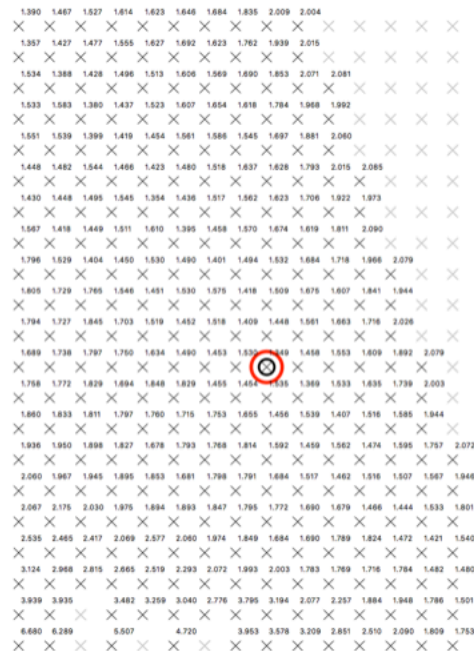
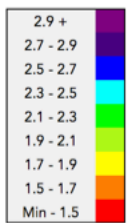
None

Specified Surfaces

None.

Global Minimum Slip Center - Minimum FOS Trial #174

Global Minimum Slip Center - Minimum FOS Trial #174



Slip Center of Rotation: (-619.021, 876.95)

Number of Trials Attempted: 12

Number of Trials Removed: 6

Number of Trials Non-Converged: 0

Minimum Factor of Safety: **1.349**

Lambda (λ): 0

Segment Start: (50, 30.052) End: (68.5, 45)

Segment Slope Angle: 1.24H:1V

Slip Radius: 1,079.27 ft

Global Minimum Slip Center - Minimum FOS Trial #174 (cont'd)

Slip Direction: Right to Left

Number of Slices: 39

Tension Crack: No

Driving Moments: 8,291,213.5 lbf-ft

Driving Forces: 0 lbf

Resisting Moments: 11,188,890 lbf-ft

Resisting Forces: 0 lbf

Trials Removed

Trials with M-Alpha < Warning: 0

Trials with negative FOS: 0

Trials with negative mobilized based shear forces: 0

Trials having slices with no force resolution: 0

Trials with base normal tension forces: 0

Trials with interslice tension forces: 0

Trials with internal forces exceeding strength criterion: 0

Trials with shallow slip depth (< 3 ft): 0

Trials with less than 3 slices: 0

Trials passing through drawing side boundary: 6

Trials with no slices having soil base: 0

Trials passing outside range: 0

Trials with flat slip surface: 0

Trials with invalid geometry: 0

Warnings

Interslice forces in tension

Slice Info - Trial #174

Slice Info - Trial #174 (cont'd)

Slice 1 Geometry

Slice Region with Material: Backfill
Left Top Point (50, 45)
Left Base Point (50, 30.052)
Right Top Point (50.478, 45)
Right Base Point (50.478, 30.43)

Slice 1 Info

m_α : 1.11
Base Angle (α): 38.34 deg
Base Length: 0.609 ft
Width: 0.478 ft
Average Height: 14.759 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 669.26 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 1 Forces

Weight (W): 846.58 lbf
Base Normal (P): 765.28 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 397.08 lbf
Left Interslice Normal (E_L): 0 lbf
Right Interslice Normal (E_R): -157.89 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 2 Geometry

Slice Region with Material: Backfill
Left Top Point (50.478, 45)
Left Base Point (50.478, 30.43)
Right Top Point (50.957, 45)
Right Base Point (50.957, 30.808)

Slice 2 Info

m_α : 1.11
Base Angle (α): 38.28 deg
Base Length: 0.61 ft
Width: 0.479 ft
Average Height: 14.381 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 669.739 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 2 Forces

Weight (W): 826.62 lbf
Base Normal (P): 747.1 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 387.64 lbf
Left Interslice Normal (E_L): -157.89 lbf
Right Interslice Normal (E_R): -316.39 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 3 Geometry

Slice Region with Material: Backfill
Left Top Point (50.957, 45)
Left Base Point (50.957, 30.808)
Right Top Point (51.435, 45)
Right Base Point (51.435, 31.187)

Slice 3 Info

m_α : 1.11
Base Angle (α): 38.41 deg
Base Length: 0.61 ft
Width: 0.478 ft
Average Height: 14.002 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 670.217 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 3 Forces

Weight (W): 803.18 lbf
Base Normal (P): 726.24 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 376.82 lbf
Left Interslice Normal (E_L): -316.39 lbf
Right Interslice Normal (E_R): -472.32 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 4 Geometry

Slice Region with Material: Backfill
Left Top Point (51.435, 45)
Left Base Point (51.435, 31.187)
Right Top Point (51.913, 45)
Right Base Point (51.913, 31.566)

Slice 5 Geometry

Slice Region with Material: Backfill
Left Top Point (51.913, 45)
Left Base Point (51.913, 31.566)
Right Top Point (52.391, 45)
Right Base Point (52.391, 31.946)

Slice 4 Info

m_α : 1.11
Base Angle (α): 38.41 deg
Base Length: 0.61 ft
Width: 0.478 ft
Average Height: 13.623 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 670.695 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 5 Info

m_α : 1.11
Base Angle (α): 38.48 deg
Base Length: 0.611 ft
Width: 0.478 ft
Average Height: 13.244 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 671.173 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 4 Forces

Weight (W): 781.44 lbf
Base Normal (P): 706.58 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 366.62 lbf
Left Interslice Normal (E_L): -472.32 lbf
Right Interslice Normal (E_R): -624.03 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 5 Forces

Weight (W): 759.68 lbf
Base Normal (P): 687.07 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 356.5 lbf
Left Interslice Normal (E_L): -624.03 lbf
Right Interslice Normal (E_R): -772.52 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 6 Geometry

Slice Region with Material: Backfill
Left Top Point (52.391, 45)
Left Base Point (52.391, 31.946)
Right Top Point (52.87, 45)
Right Base Point (52.87, 32.326)

Slice 6 Info

m_α : 1.11
Base Angle (α): 38.43 deg
Base Length: 0.611 ft
Width: 0.479 ft
Average Height: 12.864 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 671.651 ft
Base Normal Arm 'f': 0 ft
Base Reinforcement Moment Arm 'aB':
844.95 ft
Base Reinforcement Force Angle ' ω B':
180 deg
Seismic Moment Arm 'e': 0 ft

Slice 6 Forces

Weight (W): 739.42 lbf
Base Normal (P): 668.62 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 346.93 lbf
Left Interslice Normal (E_L): -772.52 lbf
Right Interslice Normal (E_R): 268.73 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Base Reinforcement Force: 1,185 lbf
(Tensile)
Seismic Force (kW): 0 lbf

Slice 7 Geometry

Slice Region with Material: Backfill
Left Top Point (52.87, 45)
Left Base Point (52.87, 32.326)
Right Top Point (53.348, 45)
Right Base Point (53.348, 32.707)

Slice 7 Info

m_α : 1.11
Base Angle (α): 38.56 deg
Base Length: 0.611 ft
Width: 0.478 ft
Average Height: 12.483 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 672.13 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 7 Forces

Weight (W): 716.05 lbf
Base Normal (P): 647.78 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 336.11 lbf
Left Interslice Normal (E_L): 268.73 lbf
Right Interslice Normal (E_R): 127.81 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 8 Geometry

Slice Region with Material: Backfill
Left Top Point (53.348, 45)
Left Base Point (53.348, 32.707)
Right Top Point (53.826, 45)
Right Base Point (53.826, 33.088)

Slice 8 Info

m_α : 1.11
Base Angle (α): 38.56 deg
Base Length: 0.611 ft
Width: 0.478 ft
Average Height: 12.102 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 672.608 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 8 Forces

Weight (W): 694.2 lbf
Base Normal (P): 628.01 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 325.85 lbf
Left Interslice Normal (E_L): 127.81 lbf
Right Interslice Normal (E_R): -8.81 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 9 Geometry

Slice Region with Material: Backfill
Left Top Point (53.826, 45)
Left Base Point (53.826, 33.088)
Right Top Point (54.304, 45)
Right Base Point (54.304, 33.47)

Slice 9 Info

m_α : 1.11
Base Angle (α): 38.63 deg
Base Length: 0.612 ft
Width: 0.478 ft
Average Height: 11.721 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 673.086 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 9 Forces

Weight (W): 672.32 lbf
Base Normal (P): 608.37 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 315.66 lbf
Left Interslice Normal (E_L): -8.81 lbf
Right Interslice Normal (E_R): -142.01 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 10 Geometry

Slice Region with Material: Backfill
Left Top Point (54.304, 45)
Left Base Point (54.304, 33.47)
Right Top Point (54.783, 45)
Right Base Point (54.783, 33.852)

Slice 10 Info

m_α : 1.11
Base Angle (α): 38.57 deg
Base Length: 0.613 ft
Width: 0.479 ft
Average Height: 11.339 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 673.565 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 10 Forces

Weight (W): 651.77 lbf
Base Normal (P): 589.65 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 305.95 lbf
Left Interslice Normal (E_L): -142.01 lbf
Right Interslice Normal (E_R): -270.45 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 11 Geometry

Slice Region with Material: Backfill
Left Top Point (54.783, 45)
Left Base Point (54.783, 33.852)
Right Top Point (55.261, 45)
Right Base Point (55.261, 34.234)

Slice 11 Info

m_α : 1.11
Base Angle (α): 38.63 deg
Base Length: 0.612 ft
Width: 0.478 ft
Average Height: 10.957 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 674.043 ft
Base Normal Arm 'f': 0 ft
Base Reinforcement Moment Arm 'aB':
842.95 ft
Base Reinforcement Force Angle ' ω B':
180 deg
Seismic Moment Arm 'e': 0 ft

Slice 11 Forces

Weight (W): 628.49 lbf
Base Normal (P): 568.71 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 295.09 lbf
Left Interslice Normal (E_L): -270.45 lbf
Right Interslice Normal (E_R): 790.03 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Base Reinforcement Force: 1,185 lbf
(Tensile)
Seismic Force (kW): 0 lbf

Slice 12 Geometry

Slice Region with Material: Backfill
Left Top Point (55.261, 45)
Left Base Point (55.261, 34.234)
Right Top Point (55.739, 45)
Right Base Point (55.739, 34.617)

Slice 12 Info

m_α : 1.1
Base Angle (α): 38.7 deg
Base Length: 0.613 ft
Width: 0.478 ft
Average Height: 10.575 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 674.521 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 12 Forces

Weight (W): 606.55 lbf
Base Normal (P): 549 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 284.86 lbf
Left Interslice Normal (E_L): 790.03 lbf
Right Interslice Normal (E_R): 669.05 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 13 Geometry

Slice Region with Material: Backfill
Left Top Point (55.739, 45)
Left Base Point (55.739, 34.617)
Right Top Point (56.217, 45)
Right Base Point (56.217, 35)

Slice 13 Info

m_α : 1.1
Base Angle (α): 38.7 deg
Base Length: 0.613 ft
Width: 0.478 ft
Average Height: 10.191 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 674.999 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 13 Forces

Weight (W): 584.58 lbf
Base Normal (P): 529.11 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 274.54 lbf
Left Interslice Normal (E_L): 669.05 lbf
Right Interslice Normal (E_R): 552.45 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 14 Geometry

Slice Region with Material: Backfill
Left Top Point (56.217, 45)
Left Base Point (56.217, 35)
Right Top Point (56.696, 45)
Right Base Point (56.696, 35.384)

Slice 14 Info

m_α : 1.1
Base Angle (α): 38.72 deg
Base Length: 0.614 ft
Width: 0.479 ft
Average Height: 9.808 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 675.477 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 14 Forces

Weight (W): 563.76 lbf
Base Normal (P): 510.29 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 264.78 lbf
Left Interslice Normal (E_L): 552.45 lbf
Right Interslice Normal (E_R): 439.86 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 15 Geometry

Slice Region with Material: Backfill
Left Top Point (56.696, 45)
Left Base Point (56.696, 35.384)
Right Top Point (57.174, 45)
Right Base Point (57.174, 35.768)

Slice 15 Info

m_α : 1.1
Base Angle (α): 38.78 deg
Base Length: 0.613 ft
Width: 0.478 ft
Average Height: 9.424 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 675.956 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 15 Forces

Weight (W): 540.56 lbf
Base Normal (P): 489.39 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 253.93 lbf
Left Interslice Normal (E_L): 439.86 lbf
Right Interslice Normal (E_R): 331.33 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 16 Geometry

Slice Region with Material: Backfill
Left Top Point (57.174, 45)
Left Base Point (57.174, 35.768)
Right Top Point (57.652, 45)
Right Base Point (57.652, 36.153)

Slice 16 Info

m_α : 1.1
Base Angle (α): 38.85 deg
Base Length: 0.614 ft
Width: 0.478 ft
Average Height: 9.04 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 676.434 ft
Base Normal Arm 'f': 0 ft
Base Reinforcement Moment Arm 'aB':
840.95 ft
Base Reinforcement Force Angle ' ω B':
180 deg
Seismic Moment Arm 'e': 0 ft

Slice 16 Forces

Weight (W): 518.51 lbf
Base Normal (P): 469.54 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 243.63 lbf
Left Interslice Normal (E_L): 331.33 lbf
Right Interslice Normal (E_R): 1,411.54 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Base Reinforcement Force: 1,185 lbf
(Tensile)
Seismic Force (kW): 0 lbf

Slice 17 Geometry

Slice Region with Material: Backfill
Left Top Point (57.652, 45)
Left Base Point (57.652, 36.153)
Right Top Point (58.13, 45)
Right Base Point (58.13, 36.538)

Slice 17 Info

m_α : 1.1
Base Angle (α): 38.85 deg
Base Length: 0.614 ft
Width: 0.478 ft
Average Height: 8.655 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 676.912 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 17 Forces

Weight (W): 496.42 lbf
Base Normal (P): 449.55 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 233.26 lbf
Left Interslice Normal (E_L): 1,411.54 lbf
Right Interslice Normal (E_R): 1,311.21 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 18 Geometry

Slice Region with Material: Backfill
Left Top Point (58.13, 45)
Left Base Point (58.13, 36.538)
Right Top Point (58.609, 45)
Right Base Point (58.609, 36.924)

Slice 18 Info

m_α : 1.1
Base Angle (α): 38.86 deg
Base Length: 0.615 ft
Width: 0.479 ft
Average Height: 8.269 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 677.391 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 18 Forces

Weight (W): 475.3 lbf
Base Normal (P): 430.44 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 223.34 lbf
Left Interslice Normal (E_L): 1,311.21 lbf
Right Interslice Normal (E_R): 1,215.03 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 19 Geometry

Slice Region with Material: Backfill
Left Top Point (58.609, 45)
Left Base Point (58.609, 36.924)
Right Top Point (59.087, 45)
Right Base Point (59.087, 37.31)

Slice 19 Info

m_α : 1.1
Base Angle (α): 38.92 deg
Base Length: 0.614 ft
Width: 0.478 ft
Average Height: 7.883 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 677.869 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 19 Forces

Weight (W): 452.17 lbf
Base Normal (P): 409.58 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 212.52 lbf
Left Interslice Normal (E_L): 1,215.03 lbf
Right Interslice Normal (E_R): 1,123.05 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 20 Geometry

Slice Region with Material: Backfill
Left Top Point (59.087, 45)
Left Base Point (59.087, 37.31)
Right Top Point (59.565, 45)
Right Base Point (59.565, 37.696)

Slice 20 Info

m_α : 1.1
Base Angle (α): 38.92 deg
Base Length: 0.614 ft
Width: 0.478 ft
Average Height: 7.497 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 678.347 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 20 Forces

Weight (W): 430.03 lbf
Base Normal (P): 389.52 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 202.11 lbf
Left Interslice Normal (E_L): 1,123.05 lbf
Right Interslice Normal (E_R): 1,035.58 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 21 Geometry

Slice Region with Material: Backfill
Left Top Point (59.565, 45)
Left Base Point (59.565, 37.696)
Right Top Point (60.043, 45)
Right Base Point (60.043, 38.083)

Slice 21 Info

m_α : 1.1
Base Angle (α): 38.99 deg
Base Length: 0.615 ft
Width: 0.478 ft
Average Height: 7.11 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 678.825 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 21 Forces

Weight (W): 407.86 lbf
Base Normal (P): 369.53 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 191.74 lbf
Left Interslice Normal (E_L): 1,035.58 lbf
Right Interslice Normal (E_R): 952.08 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 22 Geometry

Slice Region with Material: Backfill
Left Top Point (60.043, 45)
Left Base Point (60.043, 38.083)
Right Top Point (60.522, 45)
Right Base Point (60.522, 38.471)

Slice 22 Info

m_α : 1.1
Base Angle (α): 39.01 deg
Base Length: 0.616 ft
Width: 0.479 ft
Average Height: 6.723 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 679.304 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 22 Forces

Weight (W): 386.44 lbf
Base Normal (P): 350.14 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 181.68 lbf
Left Interslice Normal (E_L): 952.08 lbf
Right Interslice Normal (E_R): 872.86 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 23 Geometry

Slice Region with Material: Backfill
Left Top Point (60.522, 45)
Left Base Point (60.522, 38.471)
Right Top Point (61, 45)
Right Base Point (61, 38.858)

Slice 23 Info

m_α : 1.1
Base Angle (α): 38.99 deg
Base Length: 0.615 ft
Width: 0.478 ft
Average Height: 6.335 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 679.782 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 23 Forces

Weight (W): 363.4 lbf
Base Normal (P): 329.26 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 170.84 lbf
Left Interslice Normal (E_L): 872.86 lbf
Right Interslice Normal (E_R): 798.46 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 24 Geometry

Slice Region with Material: Sand
Left Top Point (61, 45)
Left Base Point (61, 38.858)
Right Top Point (61.469, 45)
Right Base Point (61.469, 39.239)

Slice 24 Info

m_α : 1.05
Base Angle (α): 39.09 deg
Base Length: 0.604 ft
Width: 0.469 ft
Average Height: 5.951 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 680.255 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 24 Forces

Weight (W): 334.95 lbf
Base Normal (P): 320.24 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 137.01 lbf
Left Interslice Normal (E_L): 798.46 lbf
Right Interslice Normal (E_R): 702.88 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 25 Geometry

Slice Region with Material: Sand
Left Top Point (61.469, 45)
Left Base Point (61.469, 39.239)
Right Top Point (61.938, 45)
Right Base Point (61.938, 39.62)

Slice 25 Info

m_α : 1.05
Base Angle (α): 39.09 deg
Base Length: 0.604 ft
Width: 0.469 ft
Average Height: 5.57 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 680.724 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 25 Forces

Weight (W): 313.51 lbf
Base Normal (P): 299.74 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 128.24 lbf
Left Interslice Normal (E_L): 702.88 lbf
Right Interslice Normal (E_R): 613.42 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 26 Geometry

Slice Region with Material: Sand
Left Top Point (61.938, 45)
Left Base Point (61.938, 39.62)
Right Top Point (62.406, 45)
Right Base Point (62.406, 40.001)

Slice 26 Info

m_α : 1.05
Base Angle (α): 39.15 deg
Base Length: 0.603 ft
Width: 0.468 ft
Average Height: 5.189 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 681.193 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 26 Forces

Weight (W): 291.44 lbf
Base Normal (P): 278.73 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 119.25 lbf
Left Interslice Normal (E_L): 613.42 lbf
Right Interslice Normal (E_R): 529.93 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 27 Geometry

Slice Region with Material: Sand
Left Top Point (62.406, 45)
Left Base Point (62.406, 40.001)
Right Top Point (62.875, 45)
Right Base Point (62.875, 40.383)

Slice 27 Info

m_α : 1.05
Base Angle (α): 39.16 deg
Base Length: 0.605 ft
Width: 0.469 ft
Average Height: 4.808 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 681.661 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 27 Forces

Weight (W): 270.59 lbf
Base Normal (P): 258.81 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 110.73 lbf
Left Interslice Normal (E_L): 529.93 lbf
Right Interslice Normal (E_R): 452.34 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 28 Geometry

Slice Region with Material: Sand
Left Top Point (62.875, 45)
Left Base Point (62.875, 40.383)
Right Top Point (63.344, 45)
Right Base Point (63.344, 40.766)

Slice 28 Info

m_α : 1.05
Base Angle (α): 39.24 deg
Base Length: 0.606 ft
Width: 0.469 ft
Average Height: 4.425 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 682.13 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 28 Forces

Weight (W): 249.07 lbf
Base Normal (P): 238.31 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 101.95 lbf
Left Interslice Normal (E_L): 452.34 lbf
Right Interslice Normal (E_R): 380.58 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 29 Geometry

Slice Region with Material: Sand
Left Top Point (63.344, 45)
Left Base Point (63.344, 40.766)
Right Top Point (63.813, 45)
Right Base Point (63.813, 41.148)

Slice 29 Info

m_α : 1.05
Base Angle (α): 39.16 deg
Base Length: 0.605 ft
Width: 0.469 ft
Average Height: 4.043 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 682.599 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 29 Forces

Weight (W): 227.54 lbf
Base Normal (P): 217.63 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 93.11 lbf
Left Interslice Normal (E_L): 380.58 lbf
Right Interslice Normal (E_R): 315.33 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 30 Geometry

Slice Region with Material: Sand
Left Top Point (63.813, 45)
Left Base Point (63.813, 41.148)
Right Top Point (64.281, 45)
Right Base Point (64.281, 41.532)

Slice 30 Info

m_α : 1.04
Base Angle (α): 39.37 deg
Base Length: 0.605 ft
Width: 0.468 ft
Average Height: 3.66 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 683.068 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 30 Forces

Weight (W): 205.55 lbf
Base Normal (P): 196.8 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 84.2 lbf
Left Interslice Normal (E_L): 315.33 lbf
Right Interslice Normal (E_R): 255.59 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 31 Geometry

Slice Region with Material: Sand
Left Top Point (64.281, 45)
Left Base Point (64.281, 41.532)
Right Top Point (64.75, 45)
Right Base Point (64.75, 41.915)

Slice 31 Info

m_α : 1.05
Base Angle (α): 39.24 deg
Base Length: 0.606 ft
Width: 0.469 ft
Average Height: 3.276 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 683.536 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 31 Forces

Weight (W): 184.4 lbf
Base Normal (P): 176.43 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 75.48 lbf
Left Interslice Normal (E_L): 255.59 lbf
Right Interslice Normal (E_R): 202.46 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 32 Geometry

Slice Region with Material: Sand
Left Top Point (64.75, 45)
Left Base Point (64.75, 41.915)
Right Top Point (65.219, 45)
Right Base Point (65.219, 42.299)

Slice 32 Info

m_α : 1.04
Base Angle (α): 39.31 deg
Base Length: 0.606 ft
Width: 0.469 ft
Average Height: 2.893 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 684.005 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 32 Forces

Weight (W): 162.82 lbf
Base Normal (P): 155.84 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 66.67 lbf
Left Interslice Normal (E_L): 202.46 lbf
Right Interslice Normal (E_R): 155.33 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 33 Geometry

Slice Region with Material: Sand
Left Top Point (65.219, 45)
Left Base Point (65.219, 42.299)
Right Top Point (65.688, 45)
Right Base Point (65.688, 42.684)

Slice 33 Info

m_α : 1.04
Base Angle (α): 39.38 deg
Base Length: 0.607 ft
Width: 0.469 ft
Average Height: 2.509 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 684.474 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 33 Forces

Weight (W): 141.18 lbf
Base Normal (P): 135.18 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 57.83 lbf
Left Interslice Normal (E_L): 155.33 lbf
Right Interslice Normal (E_R): 114.26 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 34 Geometry

Slice Region with Material: Sand
Left Top Point (65.688, 45)
Left Base Point (65.688, 42.684)
Right Top Point (66.156, 45)
Right Base Point (66.156, 43.069)

Slice 34 Info

m_α : 1.04
Base Angle (α): 39.44 deg
Base Length: 0.606 ft
Width: 0.468 ft
Average Height: 2.124 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 684.943 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 34 Forces

Weight (W): 119.26 lbf
Base Normal (P): 114.22 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 48.87 lbf
Left Interslice Normal (E_L): 114.26 lbf
Right Interslice Normal (E_R): 79.43 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 35 Geometry

Slice Region with Material: Sand
Left Top Point (66.156, 45)
Left Base Point (66.156, 43.069)
Right Top Point (66.625, 45)
Right Base Point (66.625, 43.454)

Slice 35 Info

m_α : 1.04
Base Angle (α): 39.38 deg
Base Length: 0.607 ft
Width: 0.469 ft
Average Height: 1.738 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 685.411 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 35 Forces

Weight (W): 97.84 lbf
Base Normal (P): 93.68 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 40.08 lbf
Left Interslice Normal (E_L): 79.43 lbf
Right Interslice Normal (E_R): 50.97 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 36 Geometry

Slice Region with Material: Sand
Left Top Point (66.625, 45)
Left Base Point (66.625, 43.454)
Right Top Point (67.094, 45)
Right Base Point (67.094, 43.84)

Slice 36 Info

m_α : 1.04
Base Angle (α): 39.46 deg
Base Length: 0.607 ft
Width: 0.469 ft
Average Height: 1.353 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 685.88 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 36 Forces

Weight (W): 76.15 lbf
Base Normal (P): 72.94 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 31.2 lbf
Left Interslice Normal (E_L): 50.97 lbf
Right Interslice Normal (E_R): 28.71 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 37 Geometry

Slice Region with Material: Sand
Left Top Point (67.094, 45)
Left Base Point (67.094, 43.84)
Right Top Point (67.563, 45)
Right Base Point (67.563, 44.226)

Slice 37 Info

m_α : 1.04
Base Angle (α): 39.46 deg
Base Length: 0.607 ft
Width: 0.469 ft
Average Height: 0.967 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 686.349 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 37 Forces

Weight (W): 54.42 lbf
Base Normal (P): 52.13 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 22.3 lbf
Left Interslice Normal (E_L): 28.71 lbf
Right Interslice Normal (E_R): 12.81 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice 38 Geometry

Slice Region with Material: Sand
Left Top Point (67.563, 45)
Left Base Point (67.563, 44.226)
Right Top Point (68.031, 45)
Right Base Point (68.031, 44.613)

Slice 38 Info

m_α : 1.04
Base Angle (α): 39.59 deg
Base Length: 0.607 ft
Width: 0.468 ft
Average Height: 0.581 ft
Shear Moment Arm 'R': 1,079.271 ft
Weight Moment Arm 'x': 686.818 ft
Base Normal Arm 'f': 0 ft
Seismic Moment Arm 'e': 0 ft

Slice 38 Forces

Weight (W): 32.6 lbf
Base Normal (P): 31.25 lbf
Base Pore Force (U): 0 lbf
Mobilized Base Shear (S_m): 13.37 lbf
Left Interslice Normal (E_L): 12.81 lbf
Right Interslice Normal (E_R): 3.2 lbf
Left Interslice Shear (X_L): 0 lbf
Right Interslice Shear (X_R): 0 lbf
Seismic Force (kW): 0 lbf

Slice Info - Trial #174 (cont'd)

Slice 39 Geometry

Slice Region with Material: Sand
 Left Top Point (68.031, 45)
 Left Base Point (68.031, 44.613)
 Right Top Point (68.5, 45)
 Right Base Point (68.5, 45)

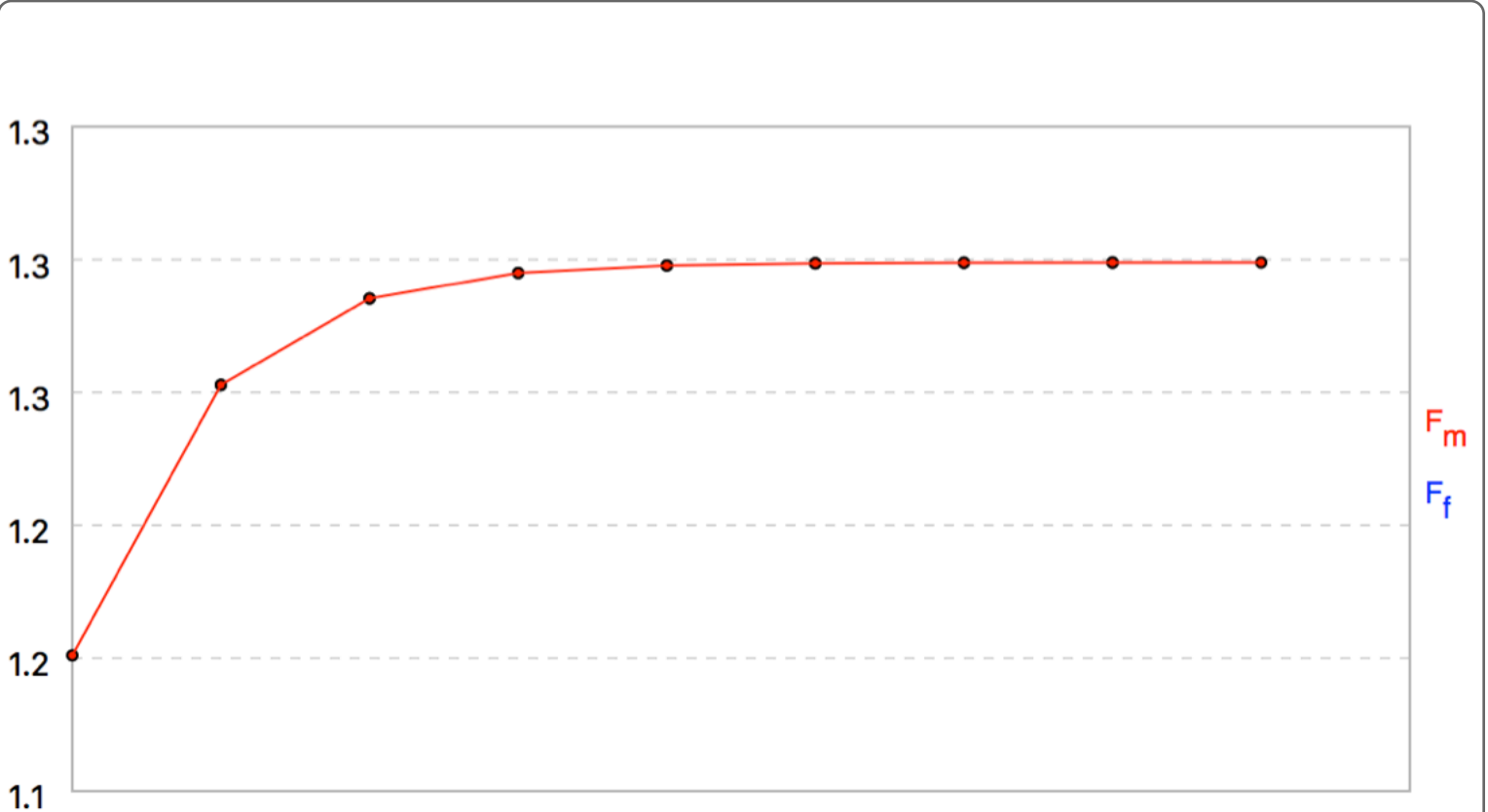
Slice 39 Info

m_α : 1.04
 Base Angle (α): 39.53 deg
 Base Length: 0.608 ft
 Width: 0.469 ft
 Average Height: 0.193 ft
 Shear Moment Arm 'R': 1,079.271 ft
 Weight Moment Arm 'x': 687.286 ft
 Base Normal Arm 'f': 0 ft
 Seismic Moment Arm 'e': 0 ft

Slice 39 Forces

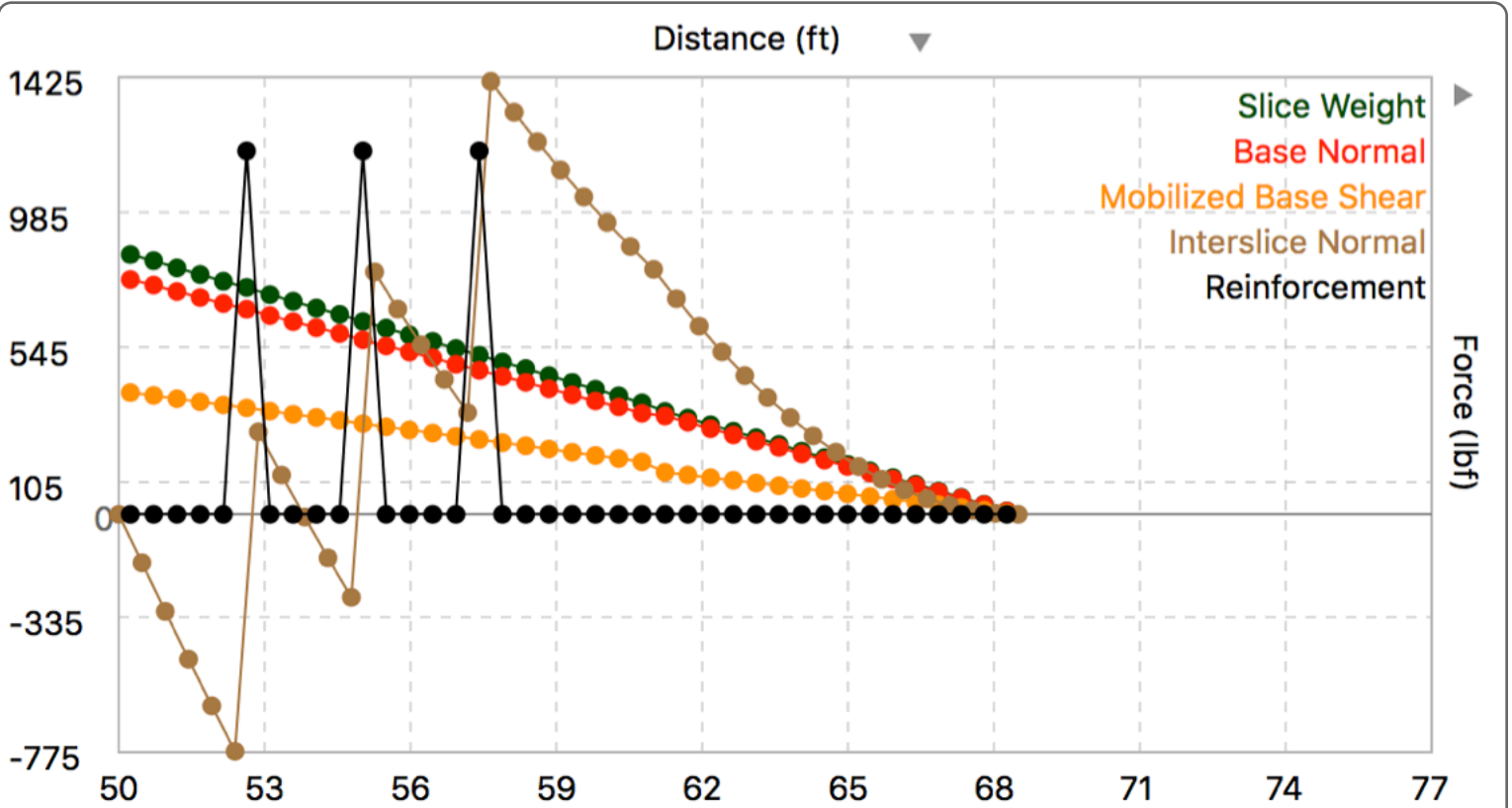
Weight (W): 10.89 lbf
 Base Normal (P): 10.44 lbf
 Base Pore Force (U): 0 lbf
 Mobilized Base Shear (S_m): 4.46 lbf
 Left Interslice Normal (E_L): 3.2 lbf
 Right Interslice Normal (E_R): 0 lbf
 Left Interslice Shear (X_L): 0 lbf
 Right Interslice Shear (X_R): 0 lbf
 Seismic Force (kW): 0 lbf

Plots



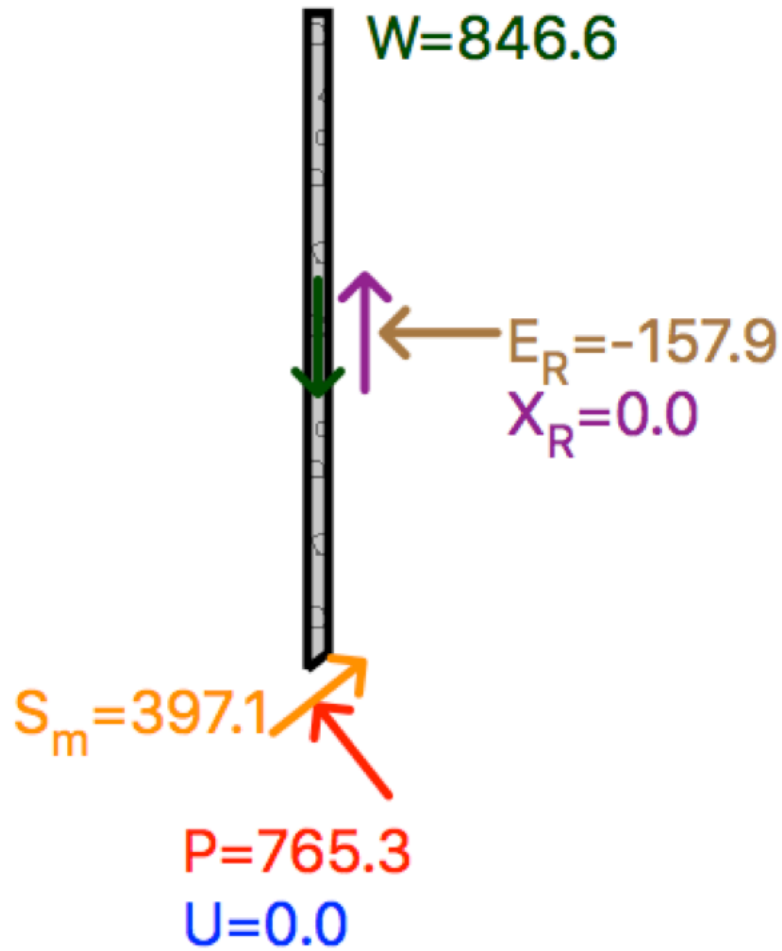
FOS Convergence Diagram - Trial 173

Plots (cont'd)



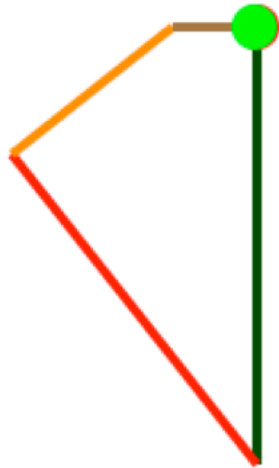
Force-Distance Plot - Trial 173

Plots (cont'd)



Free Body Diagram - Slice 1, Trial 173

Plots (cont'd)



Force Polygon Diagram - Slice 1, Trial 173