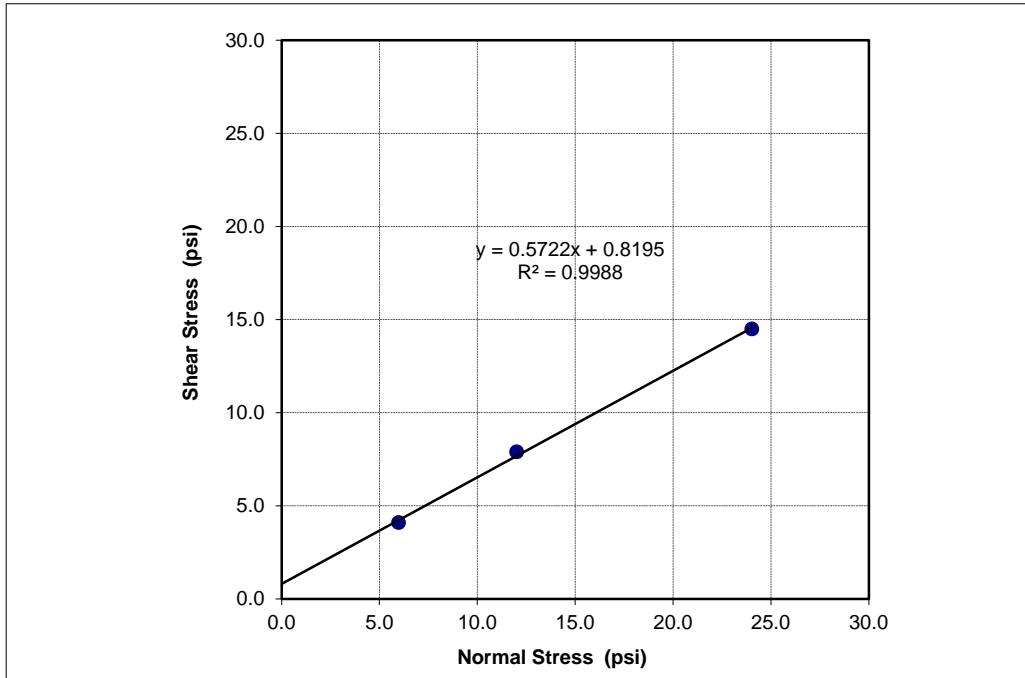


DIRECT SHEAR TEST DATA

ASTM D 3080

| | | | |
|-------------------|-------------------|-----------------|--------------|
| Project Number: | 241359 | Boring Number.: | B-002-0-24 |
| Project Name: | FUL-20A-19.20 | Sample Number: | ST-8 |
| Project Location: | Fulton County, OH | Sample Depth: | 13.5 - 15.5' |



| Trial Number | Normal Stress (psi) | Shear Stress (psi) | ϕ (degrees) |
|--------------|---------------------|--------------------|------------------|
| 1 | 6.0 | 4.1 | 29.8 |
| 2 | 12.0 | 7.9 | |
| 3 | 24.0 | 14.5 | |

Atterberg Limits:

| | |
|-------------------|----|
| Liquid Limit: | 36 |
| Plastic Limit: | 20 |
| Plasticity Index: | 16 |

Particle Size Analysis:

| | |
|-----------|----|
| % Gravel: | 5 |
| % Sand: | 15 |
| % Silt: | 24 |
| % Clay: | 56 |

Soil Classification: Brown/Gray SILTY CLAY, Little Sand, Trace Gravel A-6b (10)