

SOIL AND ROCK TEST RESULTS

PROJECT: 8.180501 R-2206C

COUNTY: CATAWBA

SITE DESCRIPTION: BRIDGES ON NC 16 (-L-) BETWEEN NC 150 AND SR 1895 OVER EAST MAIDEN ROAD (-Y15-, SR 1855)

SOIL SAMPLE DATA

| SAMPLE NO. | OFFSET | STATION | DEPTH INTERVAL | AASHTO CLASS | N | L.L. | P.I. | % BY WEIGHT | | | | % PASSING SIEVES | | |
|------------|----------|------------------------|-------------------|-----------------|-----|------|------|-------------|---------|------|------|------------------|----|-----|
| | | | | | | | | C. SAND | F. SAND | SILT | CLAY | 10 | 40 | 200 |
| SS-106 | 20. RT. | 245+70.00 (24570RT) | 1.00-1.30 | A-7-6(7) | 7 | 44 | 20 | 28.2 | 25.0 | 4.5 | 42.3 | 95 | 80 | 47 |
| SS-107 | 20. RT. | 245+70.00 (24570RT) | 2.52-2.82 | A-2-4(0) | 8 | 32 | 5 | 31.4 | 39.1 | 11.4 | 18.1 | 100 | 83 | 35 |
| SS-108 | 20. RT. | 245+70.00 (24570RT) | 5.56-5.86 | A-2-4(0) | 27 | 26 | NP | 29.6 | 42.3 | 14.0 | 14.1 | 97 | 83 | 33 |
| SS-6 | 20.2 LT. | 245+77.00 (EB1-A LTLN) | 5.87-6.17 | A-1-b(0) | 100 | 24 | NP | 53.5 | 26.6 | 13.8 | 6.1 | 69 | 42 | 17 |
| SS-1 | 9.0 RT. | 245+77.00 (EB1-A RTLN) | 1.26-1.56 | A-7-6(13) | 5 | 52 | 30 | 26.4 | 20.9 | 10.0 | 42.7 | 98 | 82 | 55 |
| SS-2 | 9.0 RT. | 245+77.00 (EB1-A RTLN) | 4.30-4.60 | A-2-4(0) | 34 | 29 | NP | 47.6 | 21.3 | 23.0 | 8.1 | 93 | 66 | 22 |
| SS-3 | 9.0 RT. | 245+77.00 (EB1-A RTLN) | 7.34-7.64 | A-2-4(0) | 21 | 26 | NP | 45.1 | 37.0 | 9.8 | 8.1 | 99 | 73 | 23 |
| SS-4 | 18.5 RT. | 245+76.5 (EB1-B RTLN) | 4.39-4.69 | A-4(0) | 6 | 35 | NP | 19.5 | 52.4 | 15.9 | 12.2 | 100 | 92 | 39 |
| SS-5 | 18.5 RT. | 245+76.5 (EB1-B RTLN) | 7.43-7.73 | A-2-4(0) | 41 | 30 | NP | 40.7 | 40.4 | 10.8 | 8.1 | 97 | 77 | 23 |
| SS-9 | 9.0 RT. | 246+05.00 (EB2-A RTLN) | 8.93-9.23 | A-2-4(0) | 8 | 35 | NP | 37.6 | 38.0 | 16.3 | 8.1 | 93 | 72 | 29 |
| SS-7 | 21.8 RT. | 246+05.50 (EB2-B RTLN) | 2.77-3.07 | A-2-4(0) | 9 | 29 | NP | 33.3 | 38.8 | 19.7 | 8.1 | 100 | 83 | 35 |
| SS-8 | 21.8 RT. | 246+05.50 (EB2-B RTLN) | 5.81-6.11 | A-2-4(0) | 76 | 25 | NP | 24.0 | 52.8 | 15.0 | 8.1 | 100 | 89 | 34 |