

TEST RESULTS

PROJECT: 33377.1.1 B-4009

COUNTY: ANSON

SITE DESCRIPTION: BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL

| SOIL SAMPLE RESULTS | | | | | | | | | | | | | | ROCK SAMPLE RESULTS | | | | | | | | | | | | |
|---------------------|--------|-------------|----------------|--------------|------|------|------|-------------|---------|------|------|------------------|----|---------------------|------------|-----------|--------------|-------------|------------|------------------------|---------|----------------|-----|---------|---------------|---------------|
| SAMPLE NO. | OFFSET | STATION | DEPTH INTERVAL | AASHTO CLASS | N | L.L. | P.I. | % BY WEIGHT | | | | % PASSING SIEVES | | | % MOISTURE | % ORGANIC | UNIT WT. (d) | VOID RATIO | SAMPLE NO. | OFFSET | STATION | DEPTH INTERVAL | RQD | UNIT WT | Q(MPa) (MPsi) | E(MPa) (MPsi) |
| | | | | | | | | C. SAND | F. SAND | SILT | CLAY | 10 | 40 | 200 | | | | | | | | | | | | |
| EB1-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-16 | 7.0 LT | 35+36 -L- | 9.50-10.50 | A-6(6) | 0 | 31 | 14 | 10.5 | 33.7 | 29.5 | 26.3 | 100 | 98 | 62 | | | | | | | | | | | | |
| SS-17 | 7.0 LT | 35+36 -L- | 14.50-15.50 | A-6(7) | 3 | 33 | 15 | 12.1 | 13.3 | 36.2 | 38.4 | 83 | 77 | 64 | | | | | | | | | | | | |
| B1-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-12 | 7.7 LT | 35+82 -L- | 13.80-14.80 | A-1-b(0) | 8 | 23 | NP | 86.0 | 9.8 | 2.2 | 2.0 | 94 | 41 | 5 | RS-3 | 7.70 LT. | 35+82 -L- | 36.15-36.70 | 33% | CURRENTLY BEING TESTED | | | | | | |
| B1-B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-18 | 8.1 RT | 35+82 -L- | 3.10-4.10 | A-6(6) | 0 | 34 | 13 | 14.1 | 10.9 | 38.6 | 36.4 | 84 | 77 | 64 | RS-12 | 8.10 RT. | 35+82 -L- | 40.05-40.70 | 63% | CURRENTLY BEING TESTED | | | | | | |
| B2-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-13 | 7.7 LT | 36+27.5 -L- | 4.10-5.10 | A-6(5) | 4 | 28 | 12 | 5.1 | 38.8 | 31.9 | 24.2 | 97 | 95 | 61 | RS-2 | 7.7 LT | 36+27.5 -L- | 18.5-19.0 | 73% | CURRENTLY BEING TESTED | | | | | | |
| SS-14 | 7.7 LT | 36+27.5 -L- | 9.10-10.10 | A-3(0) | 4 | 22 | NP | 70.7 | 23.4 | 3.8 | 2.0 | 95 | 67 | 7 | | | | | | | | | | | | |
| SS-15 | 7.7 LT | 36+27.5 -L- | 13.60-14.60 | A-4(6) | 100+ | 31 | 9 | 3.4 | 11.3 | 61.0 | 24.2 | 85 | 83 | 78 | RS-7 | 8.60 RT. | 36+27.5 -L- | 22.30-22.80 | 66% | CURRENTLY BEING TESTED | | | | | | |
| B3-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-8 | 7.5 LT | 36+87 -L- | 4.90-5.90 | A-4(5) | 0 | 29 | 10 | 6.3 | 24.2 | 43.2 | 26.3 | 96 | 95 | 72 | RS-4 | 7.50 LT. | 36+87 -L- | 39.3-40.2 | 46% | CURRENTLY BEING TESTED | | | | | | |
| SS-9 | 7.5 LT | 36+87 -L- | 14.90-15.90 | A-1-b(0) | 25 | 21 | NP | 58.4 | 15.2 | 18.4 | 8.1 | 53 | 30 | 15 | | | | | | | | | | | | |
| SS-10 | 7.5 LT | 36+87 -L- | 19.90-20.90 | A-4(0) | 61 | 26 | NP | 18.2 | 49.1 | 24.6 | 8.1 | 100 | 98 | 56 | RS-5 | 8.2 RT | 36+88 -L- | 23.80-24.30 | 17% | CURRENTLY BEING TESTED | | | | | | |
| B3-B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-23 | 8.2 RT | 36+88 -L- | 9.30-10.30 | A-4(0) | 4 | 21 | 3 | 14.1 | 45.5 | 24.2 | 16.2 | 96 | 95 | 43 | | | | | | | | | | | | |
| B4-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-5 | 8.0 LT | 37+31.5 -L- | 4.40-5.40 | A-6(12) | 3 | 35 | 16 | 3.8 | 20.8 | 43.0 | 32.3 | 100 | 99 | 81 | RS-9 | 7.50 RT. | 37+31 -L- | 29.30-29.90 | 42% | CURRENTLY BEING TESTED | | | | | | |
| SS-6 | 8.0 LT | 37+31.5 -L- | 9.40-10.40 | A-2-4(0) | 0 | 19 | NP | 49.3 | 33.7 | 10.9 | 6.1 | 100 | 83 | 19 | | | | | | | | | | | | |
| SS-7 | 8.0 LT | 37+31.5 -L- | 19.40-20.40 | A-2-4(0) | 83 | 31 | 10 | 37.8 | 17.2 | 28.9 | 16.2 | 73 | 51 | 35 | | | | | | | | | | | | |
| B5-B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-19 | 8.0 RT | 37+77 -L- | 6.10-7.10 | A-6(12) | 2 | 38 | 15 | 6.1 | 14.9 | 44.6 | 34.3 | 97 | 94 | 80 | RS-16 | 7.50 LT. | 37+76.5 -L- | 33.30-33.90 | 81% | CURRENTLY BEING TESTED | | | | | | |
| SS-20 | 8.0 RT | 37+77 -L- | 11.10-12.10 | A-4(2) | 3 | 26 | 7 | 12.5 | 33.3 | 31.9 | 22.2 | 100 | 96 | 60 | | | | | | | | | | | | |
| SS-21 | 8.0 RT | 37+77 -L- | 16.10-17.10 | A-1-a(0) | 11 | 18 | NP | 66.5 | 17.0 | 10.5 | 6.1 | 37 | 19 | 7 | | | | | | | | | | | | |
| SS-22 | 8.0 RT | 37+77 -L- | 21.10-22.10 | A-6(1) | 48 | 34 | 13 | 37.8 | 24.8 | 23.2 | 14.1 | 90 | 67 | 37 | | | | | | | | | | | | |
| B6-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-57 | 7.7 LT | 38+21.5 -L- | 10.10-11.60 | A-4(0) | 4 | 18 | NP | 23.4 | 42.8 | 19.6 | 14.3 | 100 | 96 | 38 | RS-6 | 8.00 RT. | 38+22 -L- | 26.80-27.55 | 74% | CURRENTLY BEING TESTED | | | | | | |
| SS-58 | 7.7 LT | 38+21.5 -L- | 15.10-16.60 | A-1-b(0) | 27 | 20 | NP | 61.3 | 17.5 | 11.0 | 10.2 | 55 | 28 | 13 | | | | | | | | | | | | |
| SS-59 | 7.7 LT | 38+21.5 -L- | 20.10-21.40 | A-2-4(0) | 100+ | 27 | NP | 35.6 | 35.0 | 15.1 | 14.3 | 100 | 91 | 32 | RS-14 | 7.70 LT. | 38+66.5 -L- | 25.70-26.40 | 100% | CURRENTLY BEING TESTED | | | | | | |
| B8-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-55 | 8.0 LT | 39+11.5 -L- | 10.60-12.10 | A-2-4(0) | 8 | 21 | NP | 58.0 | 23.2 | 4.5 | 14.3 | 85 | 68 | 17 | RS-8 | 8.0 LT. | 39+11.5 -L- | 40-30-40.90 | N/A | CURRENTLY BEING TESTED | | | | | | |
| SS-56 | 8.0 LT | 39+11.5 -L- | 15.60-17.10 | A-2-4(0) | 55 | 29 | 7 | 45.8 | 26.9 | 15.1 | 12.2 | 100 | 79 | 33 | | | | | | | | | | | | |
| B9-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-70 | 8.0 LT | 39+56.5 -L- | 10.70-12.20 | A-1-b(0) | 16 | 19 | NP | 81.5 | 12.2 | 5.3 | 1.0 | 89 | 27 | 7 | RS-13 | 8.0 LT. | 39+56.5 | 23.90-24.60 | 88% | CURRENTLY BEING TESTED | | | | | | |
| B9-B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-68 | 9.5 RT | 39+56.5 -L- | 12.40-13.90 | A-1-b(0) | 5 | 27 | 6 | 80.2 | 9.2 | 4.5 | 6.1 | 84 | 28 | 9 | | | | | | | | | | | | |
| SS-69 | 9.5 RT | 39+56.5 -L- | 17.40-18.50 | A-4(0) | 100+ | 27 | 8 | 18.4 | 44.4 | 23.0 | 14.1 | 100 | 99 | 42 | | | | | | | | | | | | |
| B10-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-53 | 8.0 LT | 40+01.5 | 14.60-16.10 | A-2-4(0) | 5 | 22 | NP | 44.4 | 29.5 | 11.8 | 14.3 | 98 | 79 | 28 | RS-15 | 9.70 RT. | 40+01.50 -L- | 36.10-37.10 | 100% | CURRENTLY BEING TESTED | | | | | | |
| SS-54 | 8.0 LT | 40+01.5 | 17.60-18.10 | A-4(4) | 100+ | 27 | 10 | 5.3 | 32.4 | 37.9 | 24.4 | 98 | 98 | 66 | | | | | | | | | | | | |
| B11-A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-61 | 8.0 LT | 40+46.5 -L- | 12.00-13.50 | A-2-4(0) | 6 | 25 | 10 | 28.7 | 28.3 | 24.8 | 18.2 | 73 | 61 | 34 | RS-1 | 8.0 LT. | 40+46.5 -L- | 33.25-33.90 | 48% | CURRENTLY BEING TESTED | | | | | | |
| B11-B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-62 | 8.5 RT | 40+46.5 -L- | 11.50-13.00 | A-1-b(0) | 8 | 23 | NP | 71.7 | 14.6 | 5.6 | 8.1 | 90 | 49 | 13 | | | | | | | | | | | | |
| SS-63 | 8.5 RT | 40+46.5 -L- | 17.30-18.00 | A-2-4(0) | 28 | 23 | NP | 24.4 | 44.4 | 23.0 | 8.1 | 100 | 96 | 35 | | | | | | | | | | | | |