

| FHWA REGION NO. | STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|-----------------|--------|-------------|------|-----------|--------------|
| 7 | KANSAS | 87N-0194-01 | 2001 | 11 | 43 |

| INLET AND MANHOLE DATA | | | | | | | | PIPE DATA | | | | | | |
|------------------------|----------------------|--------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-----------|------------|----------------------|--------------------|----------|----------|----------|
| STATION | ROUTE IDENTIFICATION | DISTANCE LT/RT (m) | INLET TYPE 1 1500 mm | INLET TYPE 1 3000 mm | INLET TYPE 2 (SINGLE) | INLET TYPE 2 (DBLE.) | INLET DRIVE (SINGLE) | MH | STATION | ROUTE IDENTIFICATION | DISTANCE LT/RT (m) | SIZE mm | MATERIAL | LENGTH m |
| 9+878.080 | 21ST STREET N. | LT | | 1 | | | | | 9+878.080 | 21ST STREET N. | LT | 1325X850 | HERCP | 5.32 |
| 9+878.080 | 21ST STREET N. | 2.438 LT | | | | | | 1 | 9+878.080 | 21ST STREET N. | RT | 375 | RCP | 7.93 |
| 9+878.080 | 21ST STREET N. | RT | | | | 1 | | | 9+878.080 | 21ST STREET N. | LT | 1325X850 | HERCP | 41.92 |
| 9+920.000 | 21ST STREET N. | LT | | | | 2 | | | 9+920.000 | 21ST STREET N. | LT | 450 | RCP | 6.36 |
| 9+920.000 | 21ST STREET N. | 2.438 LT | | | | | | 1 | 9+920.000 | 21ST STREET N. | RT | 450 | RCP | 8.54 |
| 9+920.000 | 21ST STREET N. | RT | | | | 1 | | | 9+920.000 | 21ST STREET N. | LT | 1125X725 | HERCP | 63.33 |
| 9+981.838 | 21ST STREET N. | LT | | | | 1 | | | 9+873.327 | 21ST STREET N. | LT | 375 | RCP | 8.36 |
| 9+983.527 | 21ST STREET N. | 2.438 LT | | | | | | 1 | 9+873.327 | 21ST STREET N. | RT | 375 | RCP | 8.67 |
| 9+984.760 | 21ST STREET N. | RT | | | | 1 | | | 9+873.327 | 21ST STREET N. | LT | 1125X725 | HERCP | 17.17 |
| 10+000.000 | 21ST STREET N. | LT | | | | | | 1 | 10+000.000 | 21ST STREET N. | LT | 965X610 | HERCP | 24.95 |
| 10+025.259 | 21ST STREET N. | LT | 1 | | | | | | 10+025.259 | 21ST STREET N. | LT | 965X610 | HERCP | 62.72 |
| 10+026.797 | 21ST STREET N. | RT | 1 | | | | | | 10+086.868 | 21ST STREET N. | LT | 450 | RCP | 25.73 |
| 10+086.868 | 21ST STREET N. | LT | | 1 | | | | | 10+086.868 | 21ST STREET N. | LT | 375 | RCP | 16.59 |
| 10+086.868 | 21ST STREET N. | RT | 1 | | | | | | 10+000.000 | 21ST STREET N. | RT | 450 | RCP | 24.85 |
| 10+112.558 | 21ST STREET N. | LT | | | | 1 | | | 4+982.111 | ARKANSAS STREET | RT | 375 | RCP | 9.47 |
| 4+982.111 | ARKANSAS STREET | RT | 1 | | | | | | 10+025.259 | 21ST STREET N. | LT | 375 | RCP | 19.17 |
| 4+982.111 | ARKANSAS STREET | LT | 1 | | | | | | | | | | | |

| REMOVAL OF EXISTING STRUCTURES | | | |
|--------------------------------|-------------|------|----------------|
| STATION | ROADWAY | SIDE | ITEM |
| 9+889 | 21ST STREET | LT | CURB INLET |
| 9+890 | 21ST STREET | LT | MH |
| 9+893 | 21ST STREET | LT | CURB INLET |
| 9+904 | 21ST STREET | LT | CURB INLET |
| 9+908 | 21ST STREET | LT | MH |
| 9+910 | 21ST STREET | LT | CURB INLET |
| 9+985 | 21ST STREET | LT | MH |
| 9+988 | 21ST STREET | LT | CURB INLET (2) |
| 9+990 | 21ST STREET | LT | MH |
| 9+987 | 21ST STREET | RT | CURB INLET |
| 9+992 | 21ST STREET | LT | CURB INLET |
| 10+006 | 21ST STREET | LT | CURB INLET |
| 10+001 | 21ST STREET | LT | CURB INLET |
| 9+995 | 21ST STREET | RT | CURB INLET |
| 10+005 | 21ST STREET | RT | CURB INLET |
| 10+000 | 21ST STREET | RT | MH |
| 10+090 | 21ST STREET | LT | CURB INLET |
| 10+098 | 21ST STREET | LT | MH |
| 10+098 | 21ST STREET | LT | CURB INLET |
| 10+106 | 21ST STREET | LT | CURB INLET |

| WATER METERS ADJUSTED | | |
|-----------------------|-------------|-------------|
| STATION | ROADWAY | DIST. LT/RT |
| 9+956 | 21ST STREET | 6.3 m LT |
| 10+046 | 21ST STREET | 7.6 m RT |
| 10+073.5 | 21ST STREET | 8.4 m RT |
| 10+091 | 21ST STREET | 7.9 m RT |
| 4+971 | ARKANSAS | 9.7 m RT |

| MANHOLES ADJUSTED | | |
|-------------------|-------------|-------------|
| STATION | ROADWAY | DIST. LT/RT |
| 9+944.5 | 21ST STREET | 9.2 m RT |
| 10+065 | 21ST STREET | 9.2 m RT |

| WATER VALVES ADJUSTED | | |
|-----------------------|-------------|-------------|
| STATION | ROADWAY | DIST. LT/RT |
| 9+993.8 (Exist) | 21ST STREET | 8 m RT |
| 10+094.2 (Exist) | 21ST STREET | 5.4 m RT |
| 9+872.7 (Prop) | 21ST STREET | 3.9 m RT |
| 9+884.8 (Prop) | 21ST STREET | 5.9 m RT |
| 9+890.7 (Prop) | 21ST STREET | 7.2 m RT |
| 9+992.9 (Prop) | 21ST STREET | 9.7 m RT |
| 10+008.2 (Prop) | 21ST STREET | 15 m LT |
| 10+072.5 (Prop) | 21ST STREET | 15.3 m LT |
| 10+093.5 (Prop) | 21ST STREET | 16.5 m LT |

| CHAIN LINK FENCE | | |
|------------------------|------------------|-----------|
| STATION TO STATION | ROADWAY | FENCE (M) |
| 9+900.625 TO 9+943.125 | 21ST STREET (RT) | 42.5 |
| 5+982.161 TO 5+991.161 | SHELTON (RT) | 9.0 |
| TOTALS | | 51.5 |

| PAVING BRICK | | | |
|-------------------------|-------------------|--------------|---------------------------|
| STATION TO STATION | ROADWAY | LOCATION | PAVING BRICK (SQ. METERS) |
| INTERSECTION | | | |
| 9+988.149 TO 10+021.372 | 21ST AND ARKANSAS | INTERSECTION | 206 |
| TOTALS | | | 206 |

| REINF. CONCRETE VALLEY GUTTER PAVEMENT 200 mm | | | | |
|---|-------------------------|------|---------------------------|--------------------|
| STATION | ROADWAY | SIDE | CONC. PVMNT. (SQ. METERS) | EDGE CURB (METERS) |
| 9+891.503 | 21ST STREET @ SHELTON | RT | 90.3 | 15.94 |
| 9+898.653 | 21ST STREET @ SHELTON | LT | 94.7 | 18.85 |
| 10+110.627 | 21ST STREET @ ROSENTHAL | LT | 97.7 | 18.37 |
| TOTALS | | | 282.7 | 53.16 |

| SIDEWALK CONSTRUCTION | | | | |
|--------------------------|-------------|------|---------|---------------------|
| STATION TO STATION | ROADWAY | SIDE | WIDTH m | AREA m ² |
| 9+871.133 TO 9+890.712 | 21ST STREET | LT | 1.5 | 28.3 |
| 9+906.379 TO 9+938.406 | 21ST STREET | LT | 1.5 | 48.8 |
| 9+955.546 TO 9+988.784 | 21ST STREET | LT | 1.8 | 60.1 |
| 9+871.133 TO 9+882.268 | 21ST STREET | RT | 1.5 | 17.0 |
| 9+902.457 TO 9+943.111 | 21ST STREET | RT | 1.5 | 61.4 |
| 9+948.675 TO 9+959.829 | 21ST STREET | RT | 1.5 | 17.8 |
| 9+969.521 TO 9+989.016 | 21ST STREET | RT | 1.5 | 30.5 |
| 10+010.431 TO 10+018.408 | 21ST STREET | LT | 1.5 | 11.7 |
| 10+010.962 TO 10+044.569 | 21ST STREET | RT | 1.5 | 52.1 |
| 10+054.275 TO 10+061.430 | 21ST STREET | RT | 1.5 | 12.5 |
| 10+068.210 TO 10+073.682 | 21ST STREET | RT | 1.5 | 9.7 |
| 10+080.956 TO 10+110.627 | 21ST STREET | RT | 1.5 | 45.9 |
| 5+989.656 TO 5+985.693 | SHELTON | RT | 1.5 | 6.0 |
| 4+989.045 TO 4+986.520 | ARKANSAS | RT | 1.5 | 3.7 |
| 8+009.144 TO 8+013.188 | ROSENTHAL | RT | 1.2 | 5.0 |
| 10+108.801 TO 10+115.293 | 21ST STREET | LT | 1.5 | 9.8 |
| TOTALS | | | | 420.3 |

| CONC. DRIVE ENTRANCE PAVEMENT 200 mm | | | |
|--------------------------------------|-------------|------|---------------------------|
| STATION | ROADWAY | SIDE | CONC. PVMNT. (SQ. METERS) |
| 9+946.258 | 21ST STREET | LT | 70.4 |
| 9+945.735 | 21ST STREET | RT | 26.9 |
| 9+964.675 | 21ST STREET | RT | 41.4 |
| 10+049.706 | 21ST STREET | RT | 41.2 |
| 10+064.820 | 21ST STREET | RT | 30.5 |
| 10+077.319 | 21ST STREET | RT | 32.4 |
| 10+071.547 | 21ST STREET | LT | 94.9 |
| 5+023.906 | ARKANSAS | LT | 46.4 |
| 4+967.583 | ARKANSAS | RT | 49.6 |
| 8+013.727 | ROSENTHAL | RT | 3.4 |
| TOTALS | | | 437.1 |

| CONCRETE PAVEMENT, INTERSECTION 200 mm | | | |
|--|------------------------|---------|---------------------------|
| STATION | ROADWAY | SIDE | CONC. PVMNT. (SQ. METERS) |
| INTERSECTION | 21ST STREET & ARKANSAS | LT & RT | 897 |
| TOTALS | | | 897 |

| EARTHWORK | | | | | | | | | |
|-------------------------|----------------|------|----------------------|--------|---------------------|-------|----------------|-----|--------|
| STATION TO STATION | EXCAVATION | | COMPACTION (IN FILL) | | COMPACTION (IN CUT) | | WASTE | | BORROW |
| | COMMON | ROCK | TYPE B | TYPE B | COMMON | ROCK | COMMON | | |
| | m ³ | VMF | m ³ | MR-90 | m ³ | MR-90 | m ³ | | |
| 9+871.133 TO 10+110.627 | 2350 | | 697 | --- | --- | 771 | 552 | 697 | --- |
| TOTALS | 2350 | 0.7 | 697 | --- | --- | 771 | 552 | 697 | --- |

| NO. | DATE | REVISIONS | BY | APPD. |
|-------------------------------------|------------|-----------------------|-----------|--------|
| KANSAS DEPARTMENT OF TRANSPORTATION | | | | |
| SUMMARY OF QUANTITIES | | | | |
| RD500 SI (2) | | | | |
| FHWA APPROVAL | S-31-94 | APPD. James O. Brewer | | |
| DESIGNED | DETAILED | QUANTITIES | TRACED | Bowser |
| DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK. | Seitz |