

|                    |  |  |  |  |
|--------------------|--|--|--|--|
| DATE               |  |  |  |  |
| BY                 |  |  |  |  |
| REFERENCES NOTED   |  |  |  |  |
| REFERENCES CHECKED |  |  |  |  |

| CURB & GUTTER, COMBINED (AE) |            |      |               |             |                 |
|------------------------------|------------|------|---------------|-------------|-----------------|
| LOCATION                     |            | SIDE | TYPE I<br>(m) | MONO<br>(m) | REMARKS         |
| STATION                      | TO STATION |      |               |             |                 |
| PAWNEE AVE.                  |            |      |               |             |                 |
| 3+835.56                     | – 4+107.47 | Lt.  | 266.71        |             |                 |
| 3+860.88                     | – 4+043.35 | Rt.  | 186.88        |             |                 |
| 4+071.42                     | – 4+131.98 | Rt.  | 60.57         |             |                 |
| 4+135.83                     | – 4+230.90 | Lt.  | 95.04         |             |                 |
| 4+160.24                     | – 4+230.41 | Rt.  | 70.21         |             |                 |
| 4+259.17                     | – 4+533.52 | Lt.  | 274.34        |             |                 |
| 4+259.08                     | – 4+534.10 | Rt.  | 275.03        |             |                 |
| 4+562.30                     | – 4+662.05 | Lt.  | 99.76         |             |                 |
| 4+562.80                     | – 4+652.21 | Rt.  | 89.41         |             |                 |
| 4+680.76                     | – 4+768.82 | Rt.  | 88.06         |             |                 |
| 4+692.55                     | – 4+978.65 | Lt.  | 286.12        |             |                 |
| 4+795.56                     | – 4+978.65 | Rt.  | 183.09        |             |                 |
| Subtotal                     |            |      | 1975.22       |             |                 |
|                              |            |      |               |             |                 |
| PAWNEE AVE.                  |            |      |               |             |                 |
| 3+831.39                     | – 3+860.88 | Rt.  |               | 37.35       | OAK KNOLL       |
| 4+043.35                     | – 4+071.42 | Rt.  |               | 28.28       | CAPRI (SOUTH)   |
| 4+107.47                     | – 4+135.83 | Lt.  |               | 28.28       | DALTON (NORTH)  |
| 4+131.98                     | – 4+160.24 | Rt.  |               | 28.28       | DALTON (SOUTH)  |
| 4+230.90                     | – 4+259.17 | Lt.  |               | 28.28       | CAPRI (NORTH)   |
| 4+230.41                     | – 4+259.08 | Rt.  |               | 28.28       | LINDEN          |
| 4+534.10                     | – 4+562.80 | Rt.  |               | 28.28       | CYPRESS (SOUTH) |
| 4+533.52                     | – 4+562.30 | Lt.  |               | 28.28       | CYPRESS (NORTH) |
| 4+652.21                     | – 4+680.76 | Rt.  |               | 25.38       | COOPER (SOUTH)  |
| 4+662.09                     | – 4+692.55 | Lt.  |               | 28.28       | COOPER (NORTH)  |
| 4+768.82                     | – 4+795.56 | Rt.  |               | 28.28       | LAUREL          |
| Subtotal                     |            |      |               | 317.25      |                 |
|                              |            |      |               |             |                 |
| WEBB ROAD                    |            |      |               |             |                 |
| 4+851.41                     | – 4+978.78 | Lt.  | 127.17        |             |                 |
| 4+958.50                     | – 4+978.78 | Rt.  | 20.28         |             |                 |
| 5+021.56                     | – 5+151.15 | Lt.  | 129.92        |             |                 |
| 5+021.56                     | – 5+151.15 | Rt.  | 129.91        |             |                 |
| Subtotal                     |            |      | 407.28        |             |                 |
|                              |            |      |               |             |                 |
| WEBB ROAD                    |            |      |               |             |                 |
| 4+824.42                     | – 4+848.58 | Lt.  |               | 28.56       | CARSON          |
| Subtotal                     |            |      |               | 28.56       |                 |
|                              |            |      |               |             |                 |
| INTERSECTION                 |            |      |               |             |                 |
| 4+978.65                     | – 5+021.56 |      |               | 75.77       |                 |
| Subtotal                     |            |      |               | 75.77       |                 |
|                              |            |      |               |             |                 |
| TOTAL                        |            |      | 2382.50       | 421.58      |                 |

\* MOUNTABLE CURB SHALL BE SUBSIDIARY TO "CURB AND GUTTER, COMBINED (AE)".

| ADJUST VALVE BOX/FIRE HYDRANT, MANHOLE AND WATER METER |            |          |          |            |            |          |
|--------------------------------------------------------|------------|----------|----------|------------|------------|----------|
| STATION                                                | OFFSET     | WV (EA.) | FH (EA.) | SSMH (EA.) | SWMH (EA.) | WM (EA.) |
| PAWNEE AVE.                                            |            |          |          |            |            |          |
| 3+255.0                                                | 11.6m Lt.  | 1        |          |            |            |          |
| 3+310.0                                                | 12.4m Lt.  |          |          | 1          |            |          |
| 3+363.9                                                | 12.4m Lt.  |          |          | 1          |            |          |
| 3+415.9                                                | 12.6m Lt.  |          |          | 1          |            |          |
| 4+065.1                                                | 13.36m Rt. | 1        |          |            |            |          |
| 4+075.4                                                | 17.0mLt.   |          |          | 1          |            |          |
| 4+128.3                                                | 12.97m Rt. | 1        |          |            |            |          |
| 4+134.8                                                | 13.4m Rt.  | 1        |          |            |            |          |
| 4+154.3                                                | 14.2m Rt.  | 1        |          |            |            |          |
| 4+166.4                                                | 13.7m Lt.  |          |          | 1          |            |          |
| 4+235.2                                                | 8.2m Rt.   |          |          |            | 1          |          |
| 4+236.9                                                | 9.4m Rt.   | 1        |          |            |            |          |
| 4+237.9                                                | 16.6m Lt.  | 1        |          |            |            |          |
| 4+238.7                                                | 16.9m Lt.  |          | 1        |            |            |          |
| 4+252.8                                                | 12.9m Rt.  | 1        |          |            |            |          |
| 4+254.1                                                | 13.5m Rt.  | 1        |          |            |            |          |
| 4+255.5                                                | 11.7m Rt.  |          | 1        |            |            |          |
| 4+255.5                                                | 12.7m Rt.  | 1        |          |            |            |          |
| 4+330.5                                                | 12.03m Rt. |          |          |            |            | 1        |
| 4+540.4                                                | 8.2m Rt.   |          |          |            | 1          |          |
| 4+540.9                                                | 16.9m Lt.  |          |          |            |            | 1        |
| 4+554.4                                                | 16.4m Lt.  |          | 1        |            |            |          |
| 4+554.7                                                | 16.6m Lt.  | 1        |          |            |            |          |
| 4+555.8                                                | 16.2m Lt.  | 1        |          |            |            |          |
| 4+556.1                                                | 14.6m Rt.  | 1        |          |            |            |          |
| 4+556.9                                                | 14.0m Rt.  | 1        |          |            |            |          |
| 4+592.1                                                | 11.8m Lt.  |          |          | 1          |            |          |
| 4+674.4                                                | 15.1m Rt.  | 1        |          |            |            |          |
| 4+787.9                                                | 16.2m Rt.  |          | 1        |            |            |          |
| 4+788.9                                                | 14.5m Rt.  | 1        |          |            |            |          |
| 4+788.9                                                | 16.1m Rt.  | 1        |          |            |            |          |
| 4+877.8                                                | 6.7m Rt.   |          | 1        |            |            |          |
| 4+877.8                                                | 13.5m Rt.  | 1        |          |            |            |          |
| 4+962.6                                                | 15.2m Rt.  | 1        |          |            |            |          |
| 4+974.4                                                | 7.9m Rt.   |          | 1        |            |            |          |
| 4+974.7                                                | 14.7m Rt.  | 1        |          |            |            |          |
| 4+979.6                                                | 14.2m Lt.  | 1        |          |            |            |          |
| 4+979.7                                                | 16.0m Lt.  | 1        |          |            |            |          |
| 4+980.8                                                | 15.6m Lt.  | 1        |          |            |            |          |
| WEBB RD.                                               |            |          |          |            |            |          |
| 4+833.0                                                | 15.4m Lt.  |          | 1        |            |            |          |
| TOTAL                                                  |            | 23 *     | 7 *      | 6          | 2          | 2 *      |

\* RELOCATE/ADJUST FIRE HYDRANT/VALVE BID AS WATER LINE ADJUSTMENT (L.S.)

| SIDEWALK CONSTRUCTION (AE) |      |                          |                    |
|----------------------------|------|--------------------------|--------------------|
| LOCATION                   |      | 100 mm (m <sup>2</sup> ) | Sidewalk Width (m) |
| STATION TO STATION         | SIDE |                          |                    |
| PAWNEE AVE.                |      |                          |                    |
| 3+154 – 3+199              | Lt.  | 81.4                     | 2.0 *              |
| 3+199 – 3+221              | Lt.  | 64.1                     | 3.0 *              |
| 3+229 – 3+242              | Lt.  | 33.3                     | 3.0 *              |
| 3+242 – 3+280              | Lt.  | 69.0                     | 2.0 *              |
| 3+289 – 3+331              | Lt.  | 34.0                     | 2.0 *              |
| 3+318 – 3+370              | Lt.  | 101.0                    | 2.0 *              |
| 3+377 – 3+392              | Lt.  | 23.7                     | 2.0 *              |
| 3+392 – 3+399              | Lt.  | 24.0                     | 3.0 *              |
| 3+399 – 3+430              | Lt.  | 60.9                     | 2.0 *              |
| 3+430 – 3+443              | Lt.  | 32.6                     | 3.0 *              |
| 3+454 – 3+471              | Lt.  | 43.3                     | 3.0 *              |
| 3+471 – 3+506              | Lt.  | 64.4                     | 2.0 *              |
| 3+508 – 3+684              | Lt.  | 522.6                    | 3.0 *              |
| 3+695 – 3+836              | Lt.  | 402.4                    | 3.0 *              |
| 3+836 – 4+114              | Lt.  | 801.9                    | 3.0                |
| 3+831 – 3+842              | Rt.  | 15.8                     | 2.0                |
| 3+851 – 4+052              | Rt.  | 411.1                    | 2.0                |
| 4+063 – 4+141              | Rt.  | 146.4                    | 2.0                |
| 4+129 – 4+238              | Lt.  | 303.7                    | 3.0                |
| 4+152 – 4+238              | Rt.  | 167.3                    | 2.0                |
| 4+252 – 4+540              | Lt.  | 846.6                    | 3.0                |
| 4+252 – 4+542              | Rt.  | 570.7                    | 2.0                |
| 4+555 – 4+669              | Lt.  | 318.0                    | 3.0                |
| 4+556 – 4+659              | Rt.  | 191.0                    | 2.0                |
| 4+686 – 4+987              | Lt.  | 900.5                    | 3.0                |
| 4+674 – 4+778              | Rt.  | 195.3                    | 2.0                |
| 4+787 – 4+987              | Rt.  | 401.1                    | 2.0                |
| 5+013 – 5+022              | Lt.  | 25.0                     | 2.0                |
| 5+013 – 5+022              | Rt.  | 23.0                     | 2.0                |
| Subtotal                   |      | 6874.1                   |                    |
| WEBB ROAD                  |      |                          |                    |
| 4+824 – 4+832              | Lt.  | 9.2                      | 2.0                |
| 4+844 – 4+978              | Lt.  | 264.8                    | 2.0                |
| 4+964 – 4+982              | Rt.  | 36.0                     | 2.0                |
| 5+022 – 5+151              | Lt.  | 390.3                    | 3.0                |
| 5+019 – 5+151              | Rt.  | 264.9                    | 2.0                |
| Subtotal                   |      | 965.2                    |                    |
| PROJECT TOTAL              |      | 7839.3                   |                    |
| * NON PARTICIPATING        |      |                          |                    |

| CONCRETE PAVEMENT   |      |                                       |                                               |                         |
|---------------------|------|---------------------------------------|-----------------------------------------------|-------------------------|
| STATION             | SIDE | 200 mm UNIFORM (AE) (m <sup>2</sup> ) | 150 mm UNIFORM (PLAIN) (AE) (m <sup>2</sup> ) | REMARKS                 |
| PAWNEE AVE.         |      |                                       |                                               |                         |
| 3+831.39 – 3+860.88 | Rt.  | 171.66                                |                                               | Valley Gutter Oak Knoll |
| 4+043.35 – 4+071.42 | Rt.  | 146.44                                |                                               | Valley Gutter Capri     |
| 4+107.47 – 4+135.83 | Lt.  | 149.27                                |                                               | Valley Gutter Dalton    |
| 4+131.98 – 4+160.24 | Rt.  | 148.26                                |                                               | Valley Gutter Dalton    |
| 4+230.90 – 4+259.17 | Lt.  | 148.35                                |                                               | Valley Gutter Capri     |
| 4+230.41 – 4+259.08 | Rt.  | 152.23                                |                                               | Valley Gutter Linden    |
| 4+534.10 – 4+562.80 | Rt.  | 152.57                                |                                               | Valley Gutter Cypress   |
| 5+533.52 – 4+562.30 | Lt.  | 153.40                                |                                               | Valley Gutter Cypress   |
| 4+652.21 – 4+680.76 | Rt.  | 135.80                                |                                               | Valley Gutter Cooper    |
| 4+662.09 – 4+692.55 | Lt.  | 170.11                                |                                               | Valley Gutter Cooper    |
| 4+768.82 – 4+795.56 | Rt.  | 133.53                                |                                               | Valley Gutter Laurel    |
| Subtotal            |      | 1661.62                               |                                               |                         |
| WEBB ROAD           |      |                                       |                                               |                         |
| 4+824.42 – 4+848.58 | Lt.  | 134.88                                |                                               | Valley Gutter Carson    |
| 5+109.91 – 5+129.11 | Rt.  |                                       | 92.60                                         | 10m Driveway R = 4.6m   |
| 5+129.11 – 5+143.32 | Rt.  |                                       | 56.44                                         | 5m Driveway R = 4.6m    |
| Subtotal            |      | 134.88                                | 149.04                                        |                         |
| PROJECT TOTAL       |      | 1796.50                               | 149.04                                        |                         |

| CONCRETE PAVEMENT (AE) |                                     |                            |
|------------------------|-------------------------------------|----------------------------|
| STATION TO STATION     | 200 mm UNIFORM (NRD) m <sup>2</sup> | DESCRIPTION                |
| 4+978.65 – 5+02156     | 1381.8                              | Pawnee & Webb Intersection |
| PROJECT TOTAL          | 1381.8                              |                            |

| CRUSHED ROCK BASE                            |                                              |                                              |                                                     |         |
|----------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------------------------------|---------|
| STATION TO STATION (INCLUDES ALL SIDE ROADS) | CRUSHED ROCK BASE (m <sup>2</sup> ) (205 mm) | CRUSHED ROCK BASE (m <sup>2</sup> ) (100 mm) | GEOGRID REINFORCE-MENT (FOR BASE) (m <sup>2</sup> ) | REMARKS |
| PAWNEE AVE.                                  |                                              |                                              |                                                     |         |
| 3+835.56 – 4+978.65                          | 17548.76                                     |                                              | 17548.76                                            |         |
| 5+021.56 – 5+148.34                          | 2238.39                                      |                                              | 2238.39                                             |         |
| 5+148.34 – 5+245.71                          |                                              | 1084.87                                      | 1084.87                                             |         |
| Subtotal                                     | 19787.15                                     | 1084.87                                      | 20872.02                                            |         |
| WEBB ROAD                                    |                                              |                                              |                                                     |         |
| 4+790.12 – 4+848.58                          |                                              | 574.49                                       | 574.49                                              |         |
| 4+848.58 – 4+978.78                          | 2351.56                                      |                                              | 2351.56                                             |         |
| 5+021.56 – 5+151.15                          | 2385.47                                      |                                              | 2385.47                                             |         |
| Subtotal                                     | 4737.03                                      | 574.49                                       | 5311.52                                             |         |
| INTERSECTION                                 |                                              |                                              |                                                     |         |
| 4+978.65 – 5+021.56                          | 1404.91                                      |                                              | 1404.91                                             |         |
| PROJECT TOTAL                                | 25929.09                                     | 1659.36                                      | 27588.45 *                                          |         |

\* FOR INFORMATION ONLY

| EROSION CONTROL BLANKETS @ INLETS |            |                     |
|-----------------------------------|------------|---------------------|
| STATION                           | OFFSET     | DESCRIPTION         |
| PAWNEE AVE.                       |            |                     |
| 4+188.18                          | 12.65m RT. | DITCH INLET TYPE II |
| 4+830.00                          | 12.99m RT. | DITCH INLET TYPE II |
| WEBB RD.                          |            |                     |
| 5+060.00                          | 14.88m RT. | DITCH INLET TYPE II |

\* FOR INFORMATION ONLY--COST SHALL BE SUBSIDIARY TO UNIT PRICE BID PER TYPE II DITCH INLET

| FHWA REG NO. | STATE  | PROJECT NO.   | YEAR | SHEET NO | TOTAL SHEETS |
|--------------|--------|---------------|------|----------|--------------|
| 7            | KANSAS | STP-N012(901) | 1999 | 64       | 131          |

| RECAPITULATION OF ROAD QUANTITIES                                                             |          |                |
|-----------------------------------------------------------------------------------------------|----------|----------------|
| BID ITEM                                                                                      | QUANTITY | UNIT           |
| AC PVMT. 180 mm (130 mm BIT. BASE)                                                            | 22,285   | m <sup>2</sup> |
| AC PVMT. HOOK UP 150mm (100mm BIT. BASE)                                                      | 1,660    | m <sup>2</sup> |
| REINF. CRUSHED ROCK BASE (205mm)                                                              | 25,929   | m <sup>2</sup> |
| REINF. CRUSHED ROCK BASE (100mm)                                                              | 1,659    | m <sup>2</sup> |
| R.C.V.G. PVMT. (200 mm)(UNIFORM)(AE)                                                          | 1,797    | m <sup>2</sup> |
| CONC. DRIVE PVMT. (150 mm)(UNIFORM)(PLAIN)(AE)                                                | 149      | m <sup>2</sup> |
| CONC. DRIVE PVMT. (200 mm)(UNIFORM)(AE)                                                       | 1,382    | m <sup>2</sup> |
| COMB. CURB & GUTTER, TYPE I (AE)                                                              | 2,382    | m              |
| MONO. EDGE CURB (AE)                                                                          | 422      | m              |
| SIDEWALK CONSTRUCTION (100mm)(AE)                                                             | 6,283    | m <sup>2</sup> |
| PAVING BRICK                                                                                  | 350      | m <sup>2</sup> |
| WHEELCHAIR RAMP (1.80 m)                                                                      | 17       | EACH           |
| WHEELCHAIR RAMP (3.10m)                                                                       | 13       | EACH           |
| INLET HOOKUPS                                                                                 | 20       | EACH           |
| SLOPE DRAIN                                                                                   | 9        | m              |
| EXCAVATION                                                                                    | 30,698   | m <sup>3</sup> |
| COMPACTED FILL (TYPE B)(MR-90)                                                                | 1,366    | m <sup>3</sup> |
| * 450mm STORM SEWER (RCP)                                                                     | 210      | m              |
| * 600mm STORM SEWER (RCP)                                                                     | 45       | m              |
| * 750mm STORM SEWER (RCP)                                                                     | 521      | m              |
| * 900mm STORM SEWER (RCP)                                                                     | 128      | m              |
| * 1050mm STORM SEWER (RCP)                                                                    | 48       | m              |
| * 0.90 sq.m STORM SEWER (RCPHE)                                                               | 6        | m              |
| * INLET (CURB) (TYPE 1A) (1.93m X 1.32m)                                                      | 8        | EACH           |
| * INLET (CURB) (TYPE 1A) (1.93m X 1.63m)                                                      | 7        | EACH           |
| * INLET (CURB) (TYPE 1A) (1.93m X 1.93m)                                                      | 1        | EACH           |
| * INLET (CURB) (TYPE 1A) (1.93m X 2.24m)                                                      | 1        | EACH           |
| * INLET (CURB) (TYPE 1A) (3.45m X 1.93m)(DOUBLE)                                              | 1        | EACH           |
| * INLET (DITCH) (TYPE 2) (1.36m X 1.72m)                                                      | 3        | EACH           |
| * STD. SHALLOW MANHOLE (TYPE A OR B)                                                          | 8        | EACH           |
| * MANHOLE ADJUSTMENT W/ NEW RING AND COVER                                                    | 2        | EACH           |
| 2.134 m x 1.219 m RCB w/ WINGWALLS, HEADWALL, APRON & PRECAST CONC. RCB PLUG & TYPE B MANHOLE | 1        | L.S.           |
| 2.440 m x 1.525 m RCB w/ WINGWALLS, HEADWALL, APRON & SOIL SAVER                              | 1        | L.S.           |
| HANDRAIL                                                                                      | 7        | m              |
| SURVEY MONUMENT                                                                               | 2        | EACH           |
| INLET SEDIMENT BARRIERS                                                                       | 21       | EACH           |
| SITE CLEARING AND RESTORATION                                                                 | 1        | L.S.           |
| EROSION CONTROL                                                                               | 1        | L.S.           |
| PROJECT SEEDING                                                                               | 1        | L.S.           |
| STREET SIGNAGE                                                                                | 1        | L.S.           |
| PAVEMENT MARKING                                                                              | 1        | L.S.           |
| TRAFFIC CONTROL                                                                               | 1        | L.S.           |
| TEMPORARY PAVEMENT                                                                            | 1        | L.S.           |
| SERVICE BOXES & CONDUIT TO SERVE FUTURE SIGNALIZATION                                         | 1        | L.S.           |
| TRAINEES (HIGHWAY CONSTRUCTION)(SET)                                                          | 1        | HOOR           |
| MOBILIZATION                                                                                  | 1        | L.S.           |
| MOBILIZATION (DBE)                                                                            | 1        | L.S.           |
| FIELD OFFICE & LAB (TYPE A)                                                                   | 1        | L.S.           |
| NON-PARTICIPATING                                                                             |          |                |
| WATER LINE ADJUSTMENT                                                                         | 1        | L.S.           |
| RELOCATE/RECONSTRUCT PRIVATE SPRINKLER SYSTEM                                                 | 1        | L.S.           |
| REMOVE SIDEWALK                                                                               | 96       | m <sup>2</sup> |
| SIDEWALK CONSTRUCTION (100 mm)(AE)                                                            | 1,557    | m <sup>2</sup> |
| MANHOLE ADJUSTMENT                                                                            | 8        | EACH           |
| 2 YEAR MAINTENANCE WARRANTY                                                                   | 1        | L.S.           |

\* 41% NON-PARTICIPATING

| SURVEY MONUMENT (INSTALL ONLY) |      |               |         |
|--------------------------------|------|---------------|---------|
| STATION                        | SIDE | QUANTITY EACH | REMARKS |
| 5+000.00                       | §    | 1             |         |
| 4+192.42                       | §    | 1             |         |
| PROJECT TOTAL                  |      | 2             |         |

|                                          |      |                 |  |                 |       |
|------------------------------------------|------|-----------------|--|-----------------|-------|
| 2                                        |      |                 |  |                 |       |
| 1                                        |      |                 |  |                 |       |
| NO.                                      | DATE | REVISIONS       |  | BY              | APP'D |
| KANSAS DEPARTMENT OF TRANSPORTATION      |      |                 |  |                 |       |
| SUMMARY OF QUANTITIES                    |      |                 |  |                 |       |
| PROJ. NO. STP-N012(901)                  |      |                 |  |                 |       |
| MID-KANSAS ENGINEERING CONSULTANTS, INC. |      |                 |  |                 |       |
| WICHITA, KANSAS                          |      |                 |  |                 |       |
| DESIGNED BY: JTC                         |      | CHECKED BY: JTC |  |                 |       |
| DRAWN BY: GJR                            |      | DATE: JULY 1999 |  | SHEET 64 OF 131 |       |