

Revised 12/30/2009

WATER METER BOX ADJUSTMENT

| STATION | ROADWAY | SIDE | OFFSET (FT.) | EXIST. ELEV. | PROP. ELEV. |
|-----------|-----------|------|--------------|--------------|-------------|
| 104+11.01 | Greenwich | Rt. | 43.28 | 1342.93 | 1342.69 |
| 104+90.57 | Greenwich | Rt. | 43.58 | 1342.15 | 1341.81 |
| 112+32.37 | Greenwich | Lt. | 39.56 | 1330.61 | 1331.25 |
| 113+57.62 | Greenwich | Rt. | 39.00 | 1332.98 | 1332.80 |
| 116+07.02 | Greenwich | Rt. | 38.84 | 1331.98 | 1331.33 |
| 116+85.42 | Greenwich | Rt. | 38.80 | 1331.63 | 1331.54 |
| 118+22.83 | Greenwich | Rt. | 38.80 | 1331.68 | 1332.10 |
| 120+14.83 | Greenwich | Rt. | 38.76 | 1331.47 | 1332.86 |
| 126+25.52 | Greenwich | Lt. | 38.09 | 1333.52 | 1333.85 |
| 140+12.04 | Greenwich | Lt. | 34.23 | 1343.56 | 1343.24 |
| 141+02.92 | Greenwich | Lt. | 36.72 | 1344.43 | 1343.78 |
| 141+52.28 | Greenwich | Lt. | 36.69 | 1344.98 | 1344.13 |
| 142+43.33 | Greenwich | Lt. | 37.48 | 1345.51 | 1344.62 |
| 55+62.50 | Harry | Rt. | 42.10 | 1340.05 | 1338.95 |
| 58+39.40 | Harry | Rt. | 35.92 | 1335.09 | 1334.34 |
| 59+10.82 | Harry | Rt. | 36.15 | 1334.03 | 1333.44 |
| 60+37.20 | Harry | Rt. | 40.61 | 1333.44 | 1331.23 |
| 61+30.36 | Harry | Rt. | 38.32 | 1332.28 | 1330.67 |
| 62+61.36 | Harry | Rt. | 27.30 | 1329.09 | 1331.24 |

* For Information Only

WATER VALVE ADJUSTMENT

| WV Number | STATION | ROADWAY | OFFSET (FT.) | SIDE | EXIST. ELEV. | PROP. ELEV. |
|-----------|-----------|-----------|--------------|------|--------------|-------------|
| 12174 | 87+03.00 | Greenwich | 22.79 | Lt. | 1342.04 | 1344.03 |
| 22483 | 88+50.10 | Greenwich | 24.29 | Lt. | 1342.93 | 1345.64 |
| 22289 | 89+53.20 | Greenwich | 21.62 | Lt. | 1344.68 | 1346.10 |
| 12553 | 94+96.00 | Greenwich | 21.03 | Lt. | 1344.27 | 1341.68 |
| 9256 | 99+69.74 | Greenwich | 21.38 | Lt. | 1344.62 | 1343.95 |
| 26630 | 99+74.76 | Greenwich | 21.67 | Lt. | 1344.60 | 1344.00 |
| | 100+53.00 | Greenwich | 23.01 | Lt. | 1344.07 | 1344.23 |
| | 113+63.10 | Greenwich | 27.00 | Lt. | 1329.27 | 1332.37 |
| 11746 | 126+14.22 | Greenwich | 27.00 | Lt. | 1333.43 | 1333.36 |
| 112688 | 126+28.09 | Greenwich | 25.13 | Lt. | 1331.92 | 1333.55 |
| 36395 | 135+14.49 | Greenwich | 25.57 | Lt. | 1342.62 | 1341.68 |
| 38843 | 135+53.07 | Greenwich | 27.92 | Lt. | 1344.44 | 1341.97 |
| 39282 | 135+51.84 | Greenwich | 58.80 | Lt. | 1343.79 | 1342.07 |
| | 140+14.78 | Greenwich | 30.65 | Lt. | 1343.87 | 1343.27 |
| 243 | 41+87.00 | Harry | 33.75 | Rt. | 1342.73 | 1341.03 |
| | 46+05.07 | Harry | 31.78 | Rt. | 1343.70 | 1342.47 |
| 26648 | 49+15.15 | Harry | 28.35 | Rt. | 1344.06 | 1343.44 |
| 9257 | 56+34.35 | Harry | 29.30 | Rt. | 1336.74 | 1337.70 |
| 30235 | 63+30.15 | Harry | 30.00 | Rt. | 1328.99 | 1329.37 |
| 30236 | 63+33.88 | Harry | 28.07 | Rt. | 1329.02 | 1329.40 |

* For Information Only

RECAPITULATION OF ROAD QUANTITIES

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|---|----------|------|
| | Lump Sum Bid Items - Paving | | |
| | Site Cleaning & Restoration | 1 | ls |
| | Mobilization | 1 | ls |
| | Mobilization DBE | 1 | ls |
| | Field Office & Laboratory (Type A) | 1 | ea |
| | Excavation | 43,444 | cy |
| | Mucking (Pond) | 8,344 | cy |
| | Pavement Removal | 26,628 | sy |
| | Removal of Existing Structures | 1 | ls |
| | Compacted Fill (95% Density) | 11,937 | cy |
| | Select Fill Topsoil | 136 | cy |
| | AC Pavement 7" (5" Bit, Base) (BM-2) | 46,107 | sy |
| | Milling, 2" | 2,938 | sy |
| | AC Surface Course 2" (BM-2) | 2,938 | sy |
| | Reinforced Crushed Rock Base (8') | 53,453 | sy |
| | Reinforced Crushed Rock Base (7') | 1,765 | sy |
| | Reinforced Crushed Rock Base (6') | 4,499 | sy |
| | Concrete Pavement (8") (AE) (Reinforced) | 1,590 | sy |
| | Concrete Pavement (9") (AE) (Reinforced) | 3,926 | sy |
| | Paving Brick (2 5/8" Holland Pavers) (Charcoal Red) | 445 | sy |
| | Paving Brick (3 1/8" Holland Pavers) (Charcoal Red) | 559 | sy |
| | Wheelchair Ramp Construction (30 sf) | 25 | ea |
| | Handrail (Metal) (3'-6") | 316 | lf |
| | Concrete Safety Barrier (Type II) | 320 | lf |
| | Curb & Gutter, Combined (AE) (Type I) | 12,076 | lf |
| | Curb & Gutter, Combined (AE) (Type II) | 1,382 | lf |
| | Curb & Gutter, Combined (AE) (Type III) | 3,402 | lf |
| | Concrete Median Nose | 15 | ea |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|---|----------|------|
| | Lump Sum Bid Items - Drainage | | |
| | Inlet (Type I) (Single) | 36 | ea |
| | Inlet (Type I) (Double) | 3 | ea |
| | Grate Inlet (Single) | 1 | ea |
| | MH (Reinforced Concrete) | 6 | ea |
| | MH Retrofit | 3 | ea |
| | Inlet Hookup | 40 | ea |
| | 15" Storm Sewer (RCP) (Includes End Sections) | 1,145 | lf |
| | 18" Storm Sewer (RCP) (Includes End Sections) | 1,200 | lf |
| | 24" Storm Sewer (RCP) (Includes End Sections) | 531 | lf |
| | 30" Storm Sewer (RCP) | 1,065 | lf |
| | 36" Storm Sewer (RCP) (Includes End Sections) | 172 | lf |
| | 42" Storm Sewer (RCP) | 810 | lf |
| | 48" Storm Sewer (RCP) | 134 | lf |
| | 54" Storm Sewer (RCP) | 242 | lf |
| | 30"x19" Storm Sewer (RCPHE) | 89 | lf |
| | 45"x29" Storm Sewer (RCPHE) | 71 | lf |
| | 68"x43" Storm Sewer (RCPHE) | 195 | lf |
| | Sand Fill, Flush & Vibrate | 5,049 | lf |
| | Light Stone Riprap | 507 | sy |
| | Weir Construction | 1 | ls |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|--|----------|------|
| | Lump Sum Bid Items - KTA | | |
| | KTA Pavement (2") (BM-IKTA) | 1,274 | sy |
| | KTA Pavement (10") (BM-2C) | 1,274 | sy |
| | 6" Combined Material (AB-3) | 1,332 | sy |
| | KTA Granular Subbase (10") | 1,332 | sy |
| | KTA Excavation | 11,098 | cy |
| | KTA Pavement Removal | 1,274 | sy |
| | Compaction (Type A)(MR-0-5) | 696 | cy |
| | Compaction (Type A)(MR-5-5) | 10,500 | cy |
| | Traffic Control - KTA | 1 | ls |
| | 8" Temporary Bituminous Pavement (KTA) | 203 | sy |
| | 2 7/8" Milling | 3,244 | sy |
| | 1" Milling | 487 | sy |
| | 2 7/8" Bituminous Surface Course (BM-IKTA) | 3,731 | sy |
| | Rumble Strip Grinding | 2,428 | lf |
| | Guardrail, Steel Plate | 256 | lf |
| | Guardrail End Terminal (SRT) | 1 | ea |
| | KTA Silt Fence | 400 | lf |
| | KTA Erosion Control Blanket | 2,700 | sy |
| | KTA Project Seeding | 1 | ls |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|--|----------|------|
| | Lump Sum Bid Items - General | | |
| | Sanitary Sewer Manhole Adjustment (In Pavement) | 11 | ea |
| x | Sanitary Sewer Manhole Adjustment (Non Participating) | 1 | ea |
| x | Transportation of Salvaged Materials (Non Participating) | 1 | ls |
| | Water Valve Adjustment | 15 | ea |
| | Sanitary Sewer Casement | 114 | lf |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|--|----------|------|
| | Lump Sum Bid Items -Traffic | | |
| | Pavement Marking | 1 | ls |
| | Street Signage | 1 | ls |
| x | D-3 Metro Street Name Signage | 1 | ls |
| | Traffic Control - Greenwich & Harry | 1 | ls |
| | Temporary Traffic Signal - Greenwich & Harry | 1 | ls |
| | Traffic Signalization (Greenwich & Harry) | 1 | ls |
| | Traffic Signalization (Greenwich & Lincoln) | 1 | ls |

RECAPITULATION OF ROAD QUANTITIES (CON'T)

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|----------------------------------|----------|------|
| | Lump Sum Bid Items - Landscaping | | |
| | 6" PVC Irrigation Sleeve | 191 | lf |
| | Armur Maple Tree | 12 | ea |
| | Chinese Elm Tree | 9 | ea |
| | Chinese Pistache Tree | 33 | ea |
| | Legacy Sugar Maple Tree | 14 | ea |
| | October Glory Maple Tree | 20 | ea |
| | Oklahoma Red Bud Tree | 18 | ea |
| | Sawtooth Oak Tree | 12 | ea |
| | Shademaster Locust Tree | 12 | ea |
| | Spring Snow Crab Apple Tree | 25 | ea |
| | Pink Drift Rose Shrub | 96 | ea |
| | Sodding | 1 | ls |
| | Project Seeding | 1 | ls |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|---|----------|------|
| | Measured Quantity Bid Items - Water (Non-Participating) | | |
| x | Water Valve Adjustment | 5 | ea |
| x | Water Meter Box Adjustment | 19 | ea |
| x | Water Meter Relocation (3/4" or 1") | 7 | ea |
| x | Water Service Connection (1") (Long) | 1 | ea |
| x | Water Service Connection (1") (Short) | 1 | ea |
| x | Water Pipe 12" (DCL) (R.J.) | 302 | lf |
| x | Water Pipe 16" (DCL) (R.J.) | 50 | lf |
| x | Fire Hydrant Relocation | 6 | ea |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|--|----------|------|
| | Measured Quantity Bid Items - Paving | | |
| | A.C. Pavement (6") (Drive) (BM-2) | 678 | sy |
| | Protection Curb (8") | 300 | lf |
| | Segmental Block Retaining Wall | 2,099 | sff |
| | Concrete Driveway Pavement (6") (AE) | 1,832 | sy |
| | Driveway Concrete Pavement (8") (Reinforced) (AE) | 320 | sy |
| | Sidewalk Concrete (4") | 72,151 | sf |
| | Temporary Asphalt Pavement (6") (Incl. 5" RCRB) (For Widening) | 264 | sy |
| | Temporary Asphalt Pavement (6") | 100 | sy |
| | Trees, Large Removed | 122 | ea |
| | Trees, Small Removed | 30 | ea |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|---|----------|------|
| | Measured Quantity Bid Items - Erosion Control BMP | | |
| | Curb Inlet Protection | 41 | ea |
| | Ditch Check | 12 | ea |
| | Silt Fence | 1,415 | lf |
| | Erosion Control Blanket | 36,192 | sy |
| | Construction Entrance | 1 | ea |

| Non-Participate | ITEM DESCRIPTION | QUANTITY | UNIT |
|-----------------|---|----------|------|
| | Measured Quantity Bid Items - Traffic | | |
| | Portable Changeable Electronic Message Sign | 250 | day |

See Sheet No. 89 for Weir Quantities.
 See Sheet No. 97 for Inlet & Manhole Schedule.
 See Sheet No. 98 for Entrance Pipe Summary.
 See Sheet No. 123 for Pond Quantities.
 See Sheet No. 125 for Temporary Erosion Control Summary.
 See Sheet No. 131 for Landscaping Bill of Materials.
 See Sheet No.'s 148 & 150 for Traffic Signal Bill of Materials.
 See Sheet No. 166 for Pavement Marking Summary.
 See Sheet No. 167 for Signing Summary.
 See Sheet No.'s 214 & 215 for Traffic Control Summaries.

| X NO. | X DATE | X REVISIONS | X BY | X APP'D. |
|-------------------------------------|----------------|---------------|----------------|--------------|
| KANSAS DEPARTMENT OF TRANSPORTATION | | | | |
| SUMMARY OF QUANTITIES | | | | |
| <u>STD. NO. 50.2</u> | | | | |
| DESIGNED --- | DETAILED --- | APP'D | QUANTITIES JJR | CADD JR |
| DESIGN CK. --- | DETAIL CK. --- | QUAN. CK. --- | RAN | CADD CK. --- |

WATER METER RELOCATION

| STATION | ROADWAY | SIDE | EXIST. OFFSET | PROP. OFFSET | SIZE (IN.) | LENGTH (L.F.) | EXIST. ELEV. | PROP. ELEV. |
|-----------|-----------|------|---------------|--------------|------------|---------------|--------------|-------------|
| 97+98.38 | Greenwich | Rt. | 38.44 | 43.25 | 1" | 4.8 | 1342.35 | 1342.49 |
| 134+14.70 | Greenwich | Rt. | 31.83 | 39.50 | 1" | 7.7 | 1341.43 | 1341.14 |
| | | | | | | Total: | 12.5 | |
| 52+84.06 | Harry | Lt. | 33.20 | 49.25 | 3/4" | 16.1 | 1344.21 | 1342.00 |
| 53+92.48 | Harry | Rt. | 34.74 | 48.34 | 3/4" | 13.6 | 1342.21 | 1341.00 |
| 54+48.42 | Harry | Rt. | 34.34 | 45.80 | 3/4" | 11.5 | 1340.70 | 1340.34 |
| 55+62.50 | Harry | Rt. | 42.10 | 46.80 | 3/4" | 4.7 | 1339.58 | 1339.14 |
| 57+39.84 | Harry | Rt. | 34.61 | 46.13 | 3/4" | 11.5 | 1335.58 | 1336.84 |
| | | | | | | Total: | 57.3 | |

* For Information Only

WATER SERVICE CONNECTION

| STATION | ROADWAY | SIDE | EXIST. OFFSET | PROP. OFFSET | SIZE (IN.) | LENGTH (L.F.) | LONG/SHORT | EXIST. ELEV. | PROP. ELEV. |
|-----------|-----------|------|---------------|--------------|------------|---------------|------------|--------------|-------------|
| 123+12.40 | Greenwich | Rt. | 39.00 | 39.00 | 1" | 93.3 | Long | 1331.00 | 1333.27 |
| 140+03.11 | Greenwich | Lt. | 35.27 | 46.37 | 1" | 11.1 | Short | 1343.27 | 1343.47 |

* For Information Only

SIDEWALK CONCRETE (4") (AE)

| STATION to STATION | ROADWAY | SIDE | WIDTH (FT.) | AREA (Sq. Ft.) | |
|--------------------|-----------|-------------|-------------|----------------|---------|
| 92+72.77 | 94+92.33 | Greenwich | Rt. | 5 | 1097.80 |
| 95+33.54 | 96+93.54 | Greenwich | Rt. | 5 | 797.49 |
| 97+09.32 | 98+27.85 | Greenwich | Rt. | 5 | 602.71 |
| 98+57.90 | 99+08.07 | Greenwich | Rt. | 5 | 228.58 |
| 100+66.43 | 103+24.27 | Greenwich | Rt. | 5 | 1316.00 |
| 103+33.51 | 104+57.57 | Greenwich | Rt. | 5 | 615.22 |
| 104+75.15 | 114+13.28 | Greenwich | Rt. | 5 | 4697.25 |
| 114+38.06 | 115+22.58 | Greenwich | Rt. | 5 | 422.25 |
| 115+51.17 | 117+41.99 | Greenwich | Rt. | 5 | 953.75 |
| 117+63.19 | 119+12.55 | Greenwich | Rt. | 5 | 746.62 |
| 119+59.28 | 123+19.07 | Greenwich | Rt. | 5 | 1807.90 |
| 123+36.21 | 125+19.62 | Greenwich | Rt. | 5 | 914.69 |
| 125+37.99 | 126+20.79 | Greenwich | Rt. | 5 | 413.85 |
| 127+05.12 | 131+10.96 | Greenwich | Rt. | 5 | 2148.14 |
| 131+36.13 | 132+88.97 | Greenwich | Rt. | 5 | 763.83 |
| 133+09.28 | 134+81.64 | Greenwich | Rt. | 5 | 861.48 |
| 134+98.22 | 135+17.66 | Greenwich | Rt. | 5 | 97.18 |
| 135+42.78 | 143+77.73 | Greenwich | Rt. | 5 | 4886.80 |
| 92+72.77 | 93+55.50 | Greenwich | Lt. | 5 | 413.62 |
| 94+32.34 | 96+18.70 | Greenwich | Lt. | 5 | 1102.60 |
| 96+49.56 | 99+24.59 | Greenwich | Lt. | 5 | 1359.60 |
| 100+72.87 | 103+12.63 | Greenwich | Lt. | 5 | 1218.69 |
| 103+26.33 | 106+25.04 | Greenwich | Lt. | 5 | 1484.49 |
| 106+42.32 | 107+77.78 | Greenwich</ | | | |