

| TEMPORARY PAVEMENT PATCHING | | | | |
|-----------------------------|------|----------------|------------------------------------|--------------------------|
| STATION | SIDE | OFFSET | TEMP. ASPHALT PAVEMENT (6") (L.F.) | PAVEMENT TYPE |
| Road Items: | | | | |
| 87+37.96 | | | 20.00 | Asphalt |
| Road Items Total: | | | 20.00 | |
| Water Items: | | | | |
| 135th Street | | | | |
| 51+29.00 to 51+59.00 | Rt. | 37.8' | 30.00 | Asphalt |
| 58+55.00 to 59+17.00 | Lt. | 22.0' | 62.00 | Asphalt (KIWI) |
| 59+14.00 | Lt. | 12.0' to 22.0' | 10.00 | Asphalt |
| 70+97.00 to 71+72.00 | Lt. | 22.0' | 75.00 | Asphalt (RIDGEPOINT) |
| 71+00.00 | Lt. | 6.5' to 32.0' | 25.50 | Asphalt (RIDGEPOINT) |
| 79+22.00 to 79+99.00 | Lt. | 22.0' | 77.00 | Asphalt |
| 89+55.00 to 89+78.00 | Rt. | 38.0' | 23.00 | Asphalt |
| 90+93.00 to 91+24.00 | Rt. | 38.0' | 31.00 | Asphalt |
| 92+59.00 to 93+12.00 | Rt. | 38.0' | 53.00 | Asphalt |
| 93+70.00 to 93+96.00 | Rt. | 38.0' | 26.00 | Gravel (Asphalt allowed) |
| 95+79.00 to 96+22.00 | Rt. | 40.0' | 43.00 | Asphalt |
| 97+32.00 to 97+58.00 | Rt. | 59.0' | 26.00 | Asphalt |
| Water Item Totals: | | | 481.50 | |
| Sanitary Items: | | | | |
| 97+45.41 | Rt. | 55.0' | 25.00 | |
| Sanitary Item Totals: | | | 25.00 | |
| Sum of Item Totals: | | | 526.50 | |

**TREE REMOVAL
(EXCLUDES HEDGE ROW
REMOVAL)**

| STATION | OFFSET | LARGE | SMALL |
|-------------|-------------|-------|-------|
| Garcia Pond | | 4 | 16 |
| 71+35.75 | 76.64' Lt. | | x |
| 71+36.04 | 101.01' Lt. | | x |
| 71+36.11 | 92.15' Lt. | | x |
| 71+36.15 | 125.77' Lt. | | x |
| 71+36.15 | 157.63' Lt. | | x |
| 71+36.17 | 141.49' Lt. | | x |
| 71+36.51 | 172.81' Lt. | | x |
| 71+84.79 | 121.58' Lt. | | x |
| 71+85.00 | 90.34' Lt. | | x |
| 76+10.25 | 40.49' Rt. | | x |
| 76+14.97 | 46.09' Rt. | | x |
| 78+70.04 | 38.79' Rt. | | x |
| 78+85.16 | 39.19' Rt. | | x |
| 79+60.35 | 149.58' Lt. | | x |
| 79+60.78 | 134.41' Lt. | | x |
| 79+61.14 | 103.06' Lt. | | x |
| 79+61.14 | 119.12' Lt. | | x |
| 79+61.22 | 89.08' Lt. | | x |
| 79+61.35 | 76.63' Lt. | | x |
| 79+90.95 | 38.86' Rt. | x | |
| 80+04.32 | 38.60' Rt. | x | |
| 80+29.69 | 50.65' Rt. | x | |
| 80+69.39 | 46.81' Rt. | | x |
| 84+59.79 | 41.01' Rt. | | x |
| 86+88.84 | 44.38' Rt. | | x |
| 89+41.44 | 37.41' Rt. | x | |
| 90+20.91 | 26.06' Rt. | x | |
| 91+59.88 | 35.51' Rt. | | x |
| 93+15.75 | 41.08' Rt. | | x |
| 90+55.35 | 44.14' Rt. | | x |
| 91+39.06 | 45.23' Rt. | x | |
| 92+03.75 | 41.76' Rt. | x | |
| 92+55.48 | 44.87' Rt. | | x |
| 93+39.34 | 42.14' Rt. | x | |
| TOTALS: | | 12 | 42 |

CONCRETE PAVEMENT

| STATION/LOCATION | SIDE | 9" (SQ. YD.) | REMARKS |
|------------------------|------|--------------|--------------|
| 195TH ST. WEST | | | |
| 99+15.96 to 99+46.02 | ☐ | 227.66 | |
| 99+55.89 to 100+49.04 | ☐ | 1,213.44 | Intersection |
| 100+58.92 to 100+85.48 | ☐ | 196.36 | |
| 21ST ST. NORTH | | | |
| 49+15.96 to 49+33.02 | ☐ | 115.56 | |
| 50+73.42 to 100+01.75 | ☐ | 80.35 | |
| TOTAL | | 1,833.37 | |

REINFORCED CRUSHED ROCK BASE

| LOCATION | CRUSHED ROCK BASE (5") (SQ. YD.) | CRUSHED ROCK BASE (6") (SQ. YD.) | CRUSHED ROCK BASE (7") (SQ. YD.) | CRUSHED ROCK BASE (8") (SQ. YD.) | REMARKS |
|------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------|
| 136TH ST. WEST | | | | | |
| 99+15.96 to 100+85.48 | | 2,310.58 | | | INTERSECTION |
| 47+83.56 to 99+15.96 | | | | 26,164.66 | |
| 58+69.57 to 59+06.53 | 104.28 | | | | KIWI ST. |
| 71+06.87 to 71+63.96 | 762.17 | | | | RIDGEPOINT |
| 79+31.45 to 79+88.43 | 599.12 | | | | JAMESBURG |
| 100+85.48 to 107+25.48 | | | | 3,648.95 | |
| 58+88.03 | | | 196.14 | | KIWI ST. |
| 71+35.23 | | | 268.81 | | RIDGEPOINT |
| 79+60.47 | | | 269.23 | | JAMESBURG |
| 83+59.02 | | | 163.80 | | WILLOUGHBY |
| 21ST ST. NORTH | | | | | |
| 41+34.50 to 49+15.96 | | | | 5,050.47 | |
| 50+85.48 to 58+36.87 | | | | 4,991.01 | |
| TOTAL | 1,465.57 | 2,310.58 | 897.98 | 40,019.26 | |

BRICK PAVER CROSSWALK

| STATION | SIDE | CONC. PAVING BRICK (SQ. YD.) | 8" CONC. BASE * (SQ. YD.) | REMARKS |
|------------------------|------|------------------------------|---------------------------|---|
| 136TH ST. WEST | | | | |
| 99+46.02 to 99+55.89 | ☐ | 97 | 97 | |
| 100+49.04 to 100+58.92 | ☐ | 90 | 90 | |
| 21ST ST. NORTH | | | | |
| 49+33.02 to 49+42.89 | ☐ | 80 | 80 | * Subsidiary to "Brick pavers, Crosswalk" |
| 50+63.54 to 50+73.42 | ☐ | 74 | 74 | |
| TOTAL | | 341 | 341 | |

RECAPITULATION OF QUANTITIES

| BID ITEM DESCRIPTION | QUANTITY | UNIT |
|--|----------|------|
| Lump Sum Bid Items - Paving | | |
| Field Office and Laboratory (Type A) | 1 | LS |
| Mobilization | 1 | LS |
| Removal of Existing Structures | 1 | LS |
| Transport of Salvaged Materials | 1 | LS |
| Site Clearing | 1 | LS |
| Site Restoration | 1 | LS |
| Excavation | 45.079 | cy |
| Fill, Compacted (95% Density) | 7,500 | cy |
| Fill, Select Topsoil | 129 | cy |
| Grading, Easement | 1 | LS |
| Pavement &/or Curb Removed | 27,375 | sy |
| AC Pavement 7" (5" Bit. Base) | 35,411 | sy |
| AC Pavement 5" (3" Bit. Base) | 1,107 | sy |
| Brick Pavers, Crosswalk | 341 | sy |
| Brick Pavers, Median | 152 | sy |
| Concrete C & G, Type 1 (6" & 1-1/2") | 11,599 | sf |
| Concrete C & G, Type 2 (3-5/8" RL & 1-1/2") | 172 | sf |
| Concrete C & G, Type 3 (8" & 1-1/2"), Median | 1,323 | sf |
| Concrete Pavement (VG) 8" (Reinf) | 857 | sy |
| Concrete Pavement 9" | 1,834 | sy |
| Concrete Ramp Nose Section (Median) | 4 | ea |
| Crushed Rock Base 5", Reinforced | 1,466 | sy |
| Crushed Rock Base 6", Reinforced | 2,311 | sy |
| Crushed Rock Base 7", Reinforced | 898 | sy |
| Crushed Rock Base 8", Reinforced | 40,020 | sy |
| Crushed Rock Hookup | 53 | sy |
| Wheelchair Ramp w/ Detectable Warnings | 16 | ea |
| Handrail | 96 | lf |
| Lump Sum Bid Items - Drainage | | |
| Pipe, SWS 12" PVC | 31 | lf |
| Pipe, SWS 18" RCP | 667 | lf |
| Pipe, SWS 24" RCP | 1,148 | lf |
| Pipe, SWS 30" RCP | 343 | lf |
| Pipe, SWS 36" RCP | 21 | lf |
| Pipe, SWS 18" RCP (Entrance) | 81 | lf |
| Pipe, SWS 24" RCP (Entrance) | 80 | lf |
| Pipe, SWS 36" RCP (Entrance) | 42 | lf |
| Pipe, SWS, HERCP (22"x34")(27) | 163 | lf |
| Pipe, SWS, HERCP (24"x38")(30) | 707 | lf |
| Pipe, SWS, HERCP (27"x42")(33) | 240 | lf |
| Pipe, SWS, HERCP (29"x45")(36) | 618 | lf |
| Pipe, SWS, RCBC (7"x4') | 972 | lf |
| Pipe, SWS, RCBC (9"x4') | 1,625 | lf |
| Pipe, SWS, RCBC (10"x4') | 813 | lf |
| Pipe, SWS, RCBC (12"x4') | 439 | lf |
| Pipe, SWS, RCBC (2-8' x 4') | 122 | lf |
| Pipe, End Section 18" RC | 8 | lf |
| Pipe, End Section 24" RC | 11 | lf |
| Pipe, End Section 36" RC | 3 | lf |
| Pipe, End Section 24"x38" HERC | 6 | lf |
| Pipe, End Section 29"x 45" HERC | 2 | lf |
| Fill, Sand (Flushed & Vibrated) | 7,853 | sf |
| Concrete Outlet Weir | 1 | LS |
| Concrete Flume | 102 | lf |
| Concrete Flume, Curb Cut | 0 | ea |
| Concrete Sidewalk Flume | 2 | ea |
| Ditch Liner, Concrete | 3,883 | sy |
| Slope Protection, Concrete | 37 | sy |
| Rip-Rap, Light Stone | 1,452 | sy |
| Inlet Hookup | 28 | ea |
| Inlet Hookup, Special | 1 | ea |
| Inlet, Curb (Type 1)(L=5' W=3') | 1 | ea |
| Inlet, Curb (Type 1)(L=5' W=4') | 1 | ea |
| Inlet, Curb (Type 1)(L=10' W=3') | 11 | ea |
| Inlet, Curb (Type 1)(L=10' W=5') | 3 | ea |
| Inlet, Curb (Type 1)(L=10' W=6') | 1 | ea |
| Inlet, Curb (Type 1)(L=15' W=3') | 8 | ea |
| Inlet, Curb (Type 1)(L=15' W=4') | 3 | ea |
| Inlet, Drop (Double) | 7 | ea |
| Inlet, Grated Driveway, Double | 2 | ea |
| MH Adjusted | 3 | ea |
| MH Stack (4') | 2 | ea |
| MH Shallow Stack (4') | 11 | ea |
| MH, Reinforced Concrete 11'x5' | 1 | ea |
| MH, Shallow SWS (5') | 2 | ea |
| MH, Shallow SWS (6') | 2 | ea |
| Inlet Removed | 1 | ea |
| Lump Sum Bid Items - Traffic | | |
| Pavement Markings | 1 | LS |
| Traffic Signalization | 1 | LS |
| Signing, Except Street Name Signs | 1 | LS |
| Signing, Street Name Signs Only | 1 | LS |
| Traffic Control | 1 | LS |
| Lump Sum Bid Items - Landscaping | | |
| Seeding | 1 | LS |
| Sodding | 1 | LS |

RECAPITULATION OF QUANTITIES

| BID ITEM DESCRIPTION | QUANTITY | UNIT |
|--|----------|--------|
| Measured Quantity Bid Items - Paving | | |
| Sidewalk, Drive, &/or Pkg Lot Removed | 1,357 | sy |
| AC Pavement 6", Driveways | 779 | sy |
| Concrete Driveway 8" | 1,991 | sy |
| Concrete Sidewalk 4" | 75,423 | sf |
| Concrete Sidewalk 8" | 210 | sf |
| Temporary Asphalt Pmnt (6") (SWS Patch) | 20 | lf |
| Temporary Asphalt Pmnt (6") | 500 | sy |
| Temp Asph Pmnt (6") (Incl 5" RCRB) (Widening) | 1,800 | sy |
| Signing, Elec. Portable Message (each per day) | 320 | ea/day |
| Mailbox Remove and Reset | 20 | ea |
| Pipe Removed | 1,645 | lf |
| Measured Quantity Bid Items - Traffic | | |
| Concrete Safety Barrier (Temporary) | 160 | lf |
| Measured Quantity Bid Items - Landscaping | | |
| Tree, Chinese Pistache, 3" Cal., B&B | 12 | ea |
| Tree, Shumard Oak, 2" Cal., B&B | 15 | ea |
| Tree, October Glory Maple, 3" Cal., B&B | 15 | ea |
| Tree Removal, Small | 42 | ea |
| Tree Removal, Large | 12 | ea |
| Hedge Row Removed | 25 | lf |
| Measured Quantity Bid Items - Erosion Control BMP | | |
| BMP, Back of Curb Protection | 11,900 | lf |
| BMP, Construction Entrance | 3 | ea |
| BMP, Curb Inlet Protection | 28 | ea |
| BMP, Drop Inlet Protection | 9 | ea |
| BMP, Ditch Check | 3 | ea |
| BMP, Silt Fence | 3,150 | lf |

WATER PROJ. NO. 448-90546

| BID ITEM DESCRIPTION | QUANTITY | UNIT |
|--|----------|------|
| Measured Quantity Bid Items | | |
| Pipe, WL 8" | 265 | lf |
| Pipe, WL 12" | 333 | lf |
| Pipe, WL 24" | 4,977 | lf |
| Pipe, WL 24" (Trenchless) | 206 | lf |
| Pipe, DI CL 6" | 24 | lf |
| Pipe, DI CL 12" | 68 | lf |
| Pipe, DI CL 24" | 8 | lf |
| Pipe, CIMJ Plug 6" | 1 | ea |
| Pipe, CIMJ Plug 8" | 1 | ea |
| Pipe, MJ Cap 12" | 1 | ea |
| Valve Assembly, 12" | 1 | ea |
| Valve Assembly, 24" | 2 | ea |
| Valve Assembly, Air Release 1" | 3 | ea |
| Fire Hydrant Assembly | 3 | ea |
| Fire Hydrant | 5 | ea |
| Valve Box Adjusted | 10 | ea |
| Valve Box Adjusted, Air Release | 1 | ea |
| 6" Anchor Bend, 90 Degrees | 2 | ea |
| 6" x 13" Anchor Coupling | 2 | ea |
| Meter Remove and Reset | 1 | ea |
| Temporary Asphalt Pmnt (6") (WL Patch) | 482 | lf |
| BMP, Silt Fence | 100 | lf |

SANITARY SEWER PROJ. NO. 468-84699

| BID ITEM DESCRIPTION | QUANTITY | UNIT |
|--|----------|------|
| Measured Quantity Bid Items | | |
| Pipe, FM 20" HDPE | 641 | lf |
| Pipe, FM 20" HDPE (Trenchless) | 401 | lf |
| Force Main Warning Signs | 5 | ea |
| Temporary Asphalt Pmnt (6") (SS Patch) | 25 | lf |
| BMP, Silt Fence | 300 | lf |

FOR UTILITY ADJUSTMENTS SEE PAVING PLAN SHEETS
FOR BMP SUMMARY OF QUANTITIES SEE SHEET NO. 118
FOR TRAFFIC SIGNAL SUMMARY OF QUANTITIES SEE SHT. NO. 135
FOR PAVEMENT MARKING SUMMARY OF QUANTITIES SEE SHT. NO. 142
FOR SIGNING SUMMARY OF QUANTITIES SEE SHTS. NO. 143 AND 144.
FOR SEEDING/SODDING AND ROADSIDE IMPROVEMENT QUANTITIES SEE SHEET NO. 128

MKEC
ENGINEERING
CONSULTANTS, INC.

411 N. WEBB ROAD
WICHITA, K.S. 67206
316-684-9600



STREET IMPROVEMENTS FOR
135th Street West
from 13th Street to 21st Street North

SUMMARY OF QUANTITIES

SHEET TITLE
MKEC PROJ #10265
PROJECT NUMBER

JRA
DESIGN BY
JWC
DRAWN BY
JRA
CHECKED BY

ISSUED
February 2012
REVISED
Added Measured Bid Quantity-Traffic, 18"
SWS Qty changed,
Double Drop Inlet

SHEET NO.
117R of 231