

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0615-01	2017	111	183



STREET IMPROVEMENTS FOR  
**127TH STREET EAST**  
FROM 13TH STREET NORTH TO 21ST STREET NORTH

J:\PROJECTS\2017\1401040290 - COW\_127THE\_13TH TO 21ST\05-CIVIL\QA\QUANTITIES\4290E01.DWG PLOTTED: Wednesday, November 29, 2017 8:03:19PM

TREE REMOVAL					
Location	Offset	Large	Small	Tree Row (lf)	Site Clearing (ac)
<b>127th St. East</b>					
12+50 to 15+50	Lt.				0.14
15+55 to 23+25	Rt.				0.39
23+05 to 24+67	Lt.				0.27
35+16.21	41.38' Rt.		1		
35+33.37	46.11' Rt.		1		
36+58.12	42.00' Rt.	1			
36+80.34	44.55' Rt.		1		
36+94.76	47.83' Rt.		1		
37+06.48	52.84' Rt.		1		
37+10.07	44.00' Rt.		1		
37+27.34	37.14' Rt.		1		
37+29.08	50.95' Rt.		1		
37+41.30	45.95' Rt.		1		
37+61.31	31.43' Lt.	1			
37+93.65	31.01' Lt.	1			
37+99.96	27.64' Lt.	1			
38+13.21	29.09' Lt.	1			
38+13.73	34.16' Lt.	1			
38+15.72	36.82' Lt.	1			
38+16.19	33.39' Lt.	1			
38+48.70	36.63' Rt.	1			
38+60.23	29.69' Lt.	1			
38+85.29	30.98' Rt.		1		
38+87.00	30.73' Rt.		1		
38+89.98	29.04' Lt.	1			
38+95.43	48.43' Lt.	1			
38+97.45	29.22' Rt.	1			
38+97.62	38.12' Rt.	1			
39+00.90	29.02' Lt.	1			
39+03.39	29.34' Lt.	1			
39+08.77	27.93' Lt.	1			
39+13.32	30.41' Lt.	1			
39+18.09	28.99' Lt.	1			
39+28.51	32.65' Lt.	1			
39+32.38	32.52' Lt.	1			
39+34.33	37.41' Lt.	1			
39+45.28	39.5' Lt.	1			
39+46.10	30.93' Lt.	1			
39+72.17	29.6' Lt.	1			
39+75.74	30.01' Lt.	1			
39+84.05	31.34' Lt.	1			
39+92.29	31.9' Lt.	1			
39+95.94	30.62' Lt.	1			
39+97.36	30.7' Lt.	1			
40+01.89	30.06' Lt.	1			
40+10.58	29.42' Lt.	1			
40+20.20	29.52' Lt.	1			
40+62.68	30.76' Lt.	1			
41+02.53	31.08' Lt.	1			
41+07.36	47.36' Rt.		1		
41+09.83	31.23' Lt.	1			
41+12.68	31.44' Lt.	1			
41+31.44	29.79' Lt.	1			
41+31.99	32.16' Rt.		1		
41+32.05	30.17' Rt.		1		
41+33.49	32.24' Rt.		1		
41+50.04	28.16' Lt.	1			
41+54.13	32.27' Lt.	1			
41+74.68	25.3' Lt.	1			
41+84.35	30.13' Lt.	1			
41+92.52	27.38' Lt.	1			
41+97.97	42.26' Lt.	1			
42+00 to 47+80	Rt.			580.0	
42+01.92	45.73' Lt.	1			
42+16.67	26.48' Lt.	1			
42+39.67	28.87' Lt.	1			
42+51.37	38.91' Lt.	1			
42+69.90	38.62' Lt.	1			

TREE REMOVAL					
Location	Offset	Large	Small	Tree Row (lf)	Site Clearing (ac)
<b>127th St. East</b>					
43+23.01	29.53' Lt.	1			
43+37.01	27.93' Lt.	1			
43+61.70	36.02' Lt.	1			
43+97.77	35.34' Lt.	1			
44+14.60	26.65' Lt.	1			
44+21.28	27.88' Lt.	1			
44+31.80	25.28' Lt.	1			
44+40.44	26.1' Lt.	1			
48+48.77	42.65' Lt.	1			
44+50 to 47+80	Lt.			330.0	
48+30 to 49+10	Lt.			100.0	
48+66.47	40.24' Lt.	1			
48+88.71	41.09' Lt.	1			
49+00 to 51+50	Rt.			250.0	
49+50 to 51+30	Lt.			180.0	
51+45.80	39.04' Lt.	1			
53+08.26	41.40' Rt.	1			
<b>Totals</b>		<b>62</b>	<b>15</b>	<b>1440.0</b>	<b>0.80</b>

PVC CONDUIT			
Location *	Side	Pipe 4" PVC (lf)	Remarks
33+60.61	Rt.	23.0	Rocky Creek EB Lanes
33+60.61	Rt.	23.0	Rocky Creek EB Lanes
33+60.61	Rt.	23.0	Rocky Creek EB Lanes
34+00.61	Rt.	27.0	Rocky Creek WB Lanes
34+00.61	Rt.	27.0	Rocky Creek WB Lanes
34+00.61	Rt.	27.0	Rocky Creek WB Lanes
47+82.49	Rt.	26.0	Reed's Cove EB Lanes
47+82.49	Rt.	26.0	Reed's Cove EB Lanes
47+82.49	Rt.	26.0	Reed's Cove EB Lanes
48+22.54	Rt.	26.0	Reed's Cove WB Lanes
48+22.54	Rt.	26.0	Reed's Cove WB Lanes
48+22.54	Rt.	26.0	Reed's Cove WB Lanes
54+39.63	Lt.	28.0	Shady Brook EB Lanes
54+39.63	Lt.	28.0	Shady Brook EB Lanes
54+39.63	Lt.	28.0	Shady Brook EB Lanes
54+69.82	Lt.	23.0	Shady Brook WB Lanes
54+69.82	Lt.	23.0	Shady Brook WB Lanes
54+69.82	Lt.	23.0	Shady Brook WB Lanes
57+50.78	Rt.	21.0	127th Ct. EB Lanes
57+50.78	Rt.	21.0	127th Ct. EB Lanes
57+50.78	Rt.	21.0	127th Ct. EB Lanes
57+80.95	Rt.	31.0	127th Ct. WB Lanes
57+80.95	Rt.	31.0	127th Ct. WB Lanes
57+80.95	Rt.	31.0	127th Ct. WB Lanes
<b>Totals</b>		<b>615.0</b>	

\* Exact Location to be field determined

DRIVEWAY PAVEMENT									
Location	Side	P (ft)	X (ft)	Width (ft)	Concrete Driveway 8" (Reinf.) (sf)	AC Pavement 5" (sy)	Concrete C & G, Type 1 (6" & 1-1/2") (lf)	Concrete Flume (lf)	Remarks
11+85.82	Rt.							11.0	
12+00.24	Rt.	46.42	46.42	25.0	710.0	56.0	49.9		
12+12.74	Rt.							11.0	
38+33.77	Lt.	25.50	23.50	22.0	644.0				
40+39.60	Lt.	25.50	20.50	28.6	733.0				
42+90.00	Lt.	25.50	15.50	16.0	342.9				
45+89.60	Lt.	25.50	15.50	22.0	435.9				
49+25.95	Lt.	25.50	20.37	27.8	635.7				
54+50.13	Rt.	35.50	35.50	25.0	884.2	16.0	14.0		
<b>Totals</b>					<b>4,385.7</b>	<b>72.0</b>	<b>63.9</b>	<b>22.0</b>	

P = Distance from back of curb to right-of-way line. X = Distance from back of curb to limit of driveway paving

CONCRETE PAVEMENT								
LOCATION (STATION TO STATION)	SIDE	Concrete Pavement 12" (Reinf.) (sy)	Concrete Approach 12", Bridge (sy)	Concrete Pavement 15" (Reinf.) (sy)	Crushed Rock Base 6", Reinforced (sy)	Concrete Bridge Approach Slab Footing (cy)	Concrete Safety Barrier (lf)	Concrete Safety Barrier, special (lf)
16+27.98 - 23+12.98	Rt.						685.0	
16+27.98 - 23+16.88	Rt.			610.4				
22+77.93 - 24+79.18	Lt.							98.9
22+77.93	C/L					14.5		
22+77.93 - 23+11.79	C/L	170.5			151.5			
23+11.79	C/L					16.8		
23+12.08 - 23+27.12	C/L		71.2		54.8			
24+31.47 - 24+79.18	Rt.							63.6
24+30.00 - 24+45.04	C/L		83.4		64.2			
24+45.47	C/L					16.8		
24+45.47 - 24+79.18	C/L	188.1			165.8			
24+79.18	C/L					14.5		
<b>Totals</b>		<b>358.6</b>	<b>154.6</b>	<b>610.4</b>	<b>436.3</b>	<b>62.6</b>	<b>685.0</b>	<b>162.5</b>

EARTHWORK							
Location	EXCAVATION ITEMS				VMF	Fill, Compacted (95% Density) (cy)	Remarks
	Pavement Removed (sy)	Sidewalk, Drive, &/or Pkg Lot Removed* (sy)	Excavation, Special (cy)	Excavation (cy)			
127th St.	18,026.1	607.4	84.5	20,909.5	0.8	6,362.1	
<b>Totals</b>	<b>18,026.1</b>	<b>607.4</b>	<b>84.5</b>	<b>20,909.5</b>		<b>6,362.1</b>	

\* Includes all sidewalk, ramps, driveways, bus pads and all pavement on private property.  
 ΔPavement removed is calculated using 6" pavement thickness. Thicknesses may vary.

TEMPORARY PAVEMENT WIDENING				
STATION	OFFSET	AC Pavement 6", Temporary (Phase Shifts) (sy)	Crushed Rock Base 5", Temporary (sy) (subsidiary)	Remarks
Traffic Control				
13+45.2 - 16+91.3	Lt.	365.5	365.5	
<b>Total</b>		<b>365.5</b>	<b>365.5</b>	

SUMMARY OF WATER ITEMS																		
Line No.	Pipe, D1CL 6" (lf)	Pipe, D1CL 8" (lf)	Pipe, D1CL 16" (lf)	Pipe, WL 6" (lf)	Pipe, WL 8" (lf)	Pipe, WL 16" (lf)	Pipe, WL 16", Trenchless (lf)	Valve Assembly, 8" (ea)	Valve Assembly, 16" (ea)	Fire Hydrant Assembly (ea)	Fire Hydrant (ea)	Fire Hydrant Removal* (ea)	Cut and Cap (ea)	Valve Box Adjusted (ea)	Valve Box Removed (ea)	Water Meter Relocated (ea)	Water Meter Adjusted (ea)	AC Pavement 6", Temporary (Utility Patch) (sy)
Line 1			12.9			495.1	457.4	2	2			2	2					
Line 2		10.8			25.6					1								
Line 3		12.1			21.9					1								
Line 4		20.4			20.0													
Line 5			18.1			20.0												
Line 6			24.3			40.0												
Line 7	12.4			20.0														
Line 8			32.6															
FH #1	10.0									1	1							
Line 9		19.6			20.0													
Line 10			24.8			20.0												
Line 11					49.3				1									
<b>Project</b>														21	6	11	2	150.00
<b>Totals</b>	<b>23.0</b>	<b>62.9</b>	<b>112.7</b>	<b>20.0</b>	<b>87.5</b>	<b>624.4</b>	<b>457.4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>21</b>	<b>6</b>	<b>11</b>	<b>2</b>	<b>150.00</b>

\*For information only. Subsidiary to "Removal of Existing Structures"

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**SUMMARY OF QUANTITIES**

PROJECT NO.	472-85158	
DATE	11/29/17	
SCALE	NTS	
DESIGNED	JRA	
DRAWN	LES	
CHECKED	JRA	
NO.	REVISION	DATE

SHEET NO.  
111 OF 183