

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2011	116	169

**MKEC**  
ENGINEERING  
CONSULTANTS, INC.  
411 N. WEBB ROAD  
WICHITA, KS. 67206  
316-684-9600

TREE REMOVAL				
STATION	OFFSET	LARGE	SMALL	PROJECT
8+02.50	144.12' Rt.	x		Dam
8+05.17	193.41' Rt.	x		Dam
8+16.16	137.00' Rt.	x		Dam
11+08.40	648.78' Rt.		x	Portage
11+14.87	494.77' Rt.	x		Portage
11+18.32	634.13' Rt.		x	Portage
11+18.49	510.55' Rt.	x		Portage
11+22.51	438.47' Rt.	x		Portage
11+23.16	645.47' Rt.		x	Portage
11+23.66	428.39' Rt.	x		Portage
11+30.66	372.46' Rt.	x		Portage
11+42.67	647.64' Rt.		x	Portage
11+48.95	639.85' Rt.		x	Portage
11+50.15	308.04' Rt.	x		Portage
11+50.77	311.88' Rt.	x		Portage
11+57.76	257.33' Rt.	x		Portage
11+62.93	236.03' Rt.	x		Portage
11+68.82	209.27' Rt.	x		Portage
11+70.27	215.23' Rt.		x	Portage
11+78.42	177.34' Rt.	x		Portage
TOTALS:		14	6	

For Summary of Pavement Removals See Sheet 6.  
For Summary of Cast-In-Place Retaining Wall Quantities See Sheet ## and 36.  
For Summary of Lincoln Street Bridge Quantities See Sheet 50.  
For Summary of Railing and Fencing Quantities See Sheet 69.  
For Summary of Sheet Pile Quantities See Sheet 79.  
For Summary of Erosion Control BMP Quantities See Sheet 118.  
For Summary of Heavy Stone Rip-Rap Quantities See Sheet 125.  
For Summary of Sodding Quantities See Sheet 125.  
For Summary of Landscape and Hardscape Quantities See Sheet 129.  
For Summary of Concrete Rip-Rap Quantities See Sheet 130.  
For Summary of Articulated Concrete Block Quantities See Sheet 132.  
For Summary of Traffic Signal Quantities See Sheet 133.  
For Summary of Pavement Marking Quantities See Sheet 136.  
For Summary of Traffic, River and Information Signing Quantities See Sheet 138.

PAVEMENT ITEMS													
LOCATION	SIDE	7" CONC. REINF. (SQ.YD.)	5" REINF. CRUSHED ROCK (SQ.YD.)	9" CONCRETE REINFORCED (SQ.YD.)	9" CONCRETE (NRD) (SQ.YD.)	6" REINF. CRUSHED ROCK (SQ.YD.)	12" CONCRETE PAVEMENT (SQ.YD.)	BRIDGE APPROACH SLAB FOOTING (C.Y.)	CONCRETE SAFETY BARRIER SPECIAL (L.F.)	PERMANENT PAVEMENT PATCH (SQ.YD.)	TEMPORARY PAVEMENT PATCH (SQ.YD.)	ASPHALT HOOK-UP (SQ.FT.)	PROJECT
Lincoln Street-West Appr. Slab	☉					291.24	285.68	50.51	50.69				Lincoln Bridge
Lincoln Street-East Appr. Slab	☉					278.64	271.33	43.85	66.00				Lincoln Bridge
McLean Blvd. and Intersection	☉			820.88	398.89	1,625.65						2,274.57	Lincoln Bridge
Lincoln Street	Lt.				177.00	223.41							Lincoln Bridge
	Rt.				166.56	213.00							Lincoln Bridge
Lincoln Street	☉										132.69		Portage
Palisade Cul-de-sac	Rt.	458.74	547.49										Lincoln Bridge
Palisade Cul-de-sac	Lt.									42.0			Portage
Drive of McLean Blvd.	Rt.							9.19					Dam
TOTAL		458.74	547.49	820.88	742.45	2,631.94	557.01	103.55	116.69	42.0	132.69	2,274.57	

DRIVEWAY PAVEMENT							
STATION	SIDE	CONC. DRIVEWAY (10")(REINF.) (SQ.FT.)	CONC. DRIVEWAY (8")(REINF.) (SQ.FT.)	P (FT.)	L (FT.)	WIDTH (FT.)	PROJECT
McLEAN BLVD.		910.25		-	26.63	24.00	Lincoln Bridge
PALISADE, NORTH			363.56	17.32	17.17	19.14	Lincoln Bridge
PALISADE, SOUTH			143.50	-	9.71	11.60	Portage
TOTAL		910.25	507.06				

P=Distance from Back-of-curb to Right-of-way line  
L=Distance from Back-of-curb to Limit of Driveway Paving

CONCRETE CURB AND GUTTER, COMBINED						
STATION TO STATION	SIDE	TYPE I (L.F.)	TYPE III (L.F.)	REMOVE & REPLACE (L.F.)	CONCRETE RAMP NOSE SECTION (EACH)	PROJECT
<b>LINCOLN STREET</b>						
7+96.62 to xx	Lt.	84.73				Lincoln Bridge
7+64.40 to 7+99.34	Rt.	64.42				Lincoln Bridge
12+14.55 to 12+81.55	Lt.	67.02				Lincoln Bridge
12+14.55 to 12+20.55	-				1	Lincoln Bridge
12+20.55 to 12+81.55	Lt.		61.01			Lincoln Bridge
12+20.55 to 12+81.55	Rt.		61.02			Lincoln Bridge
12+14.55 to 12+81.55	Rt.	67.17				Lincoln Bridge
12+81.55 to 14+22.70	☉	100.00				Lincoln Bridge
<b>McLEAN BLVD.</b>						
	Rt.	10.17				Lincoln Bridge
	Rt.	41.87				Lincoln Bridge
	Rt.	70.12				Lincoln Bridge
<b>PALISADE CUL-DE-SAC</b>						
12+81.55 to 14+22.70	-	230.46		46.71		Lincoln Bridge
TOTAL		735.96	122.03	46.71	1	Portage

BRICK PAVERS						
LOCATION	SIDE	BRICK PAVER CROSSWALK (SQ.FT.)	8" CONC. BASE * (8")(REINF.) (SQ.FT.)	BRICK PAVER MEDIAN (SQ.FT.)	BRICK PAVER LANDSCAPE (SQ.FT.)	PROJECT
<b>LINCOLN &amp; McLEAN</b>						
7+32.05 to 7+96.62	Rt.	977.82	977.82			Lincoln Bridge
7+47.14 to 8+08.57	Lt.	900.10	900.10			Lincoln Bridge
<b>LINCOLN MEDIAN</b>						
12+20.55 to 14+21.10	☉			2,263.28		Lincoln Bridge
<b>WEST BANK BIKE PATH</b>						
	☉				877.13	Lincoln Bridge
<b>EAST BANK BIKE PATH</b>						
	☉				980.76	Lincoln Bridge
<b>LINCOLN STREET EAST</b>						
	Lt.				95.95	Lincoln Bridge
<b>LINCOLN STREET EAST</b>						
	Rt.				215.39	Lincoln Bridge
TOTAL		1,877.92	1,877.92	2,263.28	2,169.26	

\* Subsidiary to "Brick Paver Crosswalk"

SIDEWALK & BIKE PATH CONSTRUCTION										
LOCATION	SIDE	8" (SQ. FT.)	8" REINF. (SQ. FT.)	4" (SQ. FT.)	WHEELCHAIR RAMP (EACH)	STEPS (SQ. YD.)	SIDEWALK THICKENING (L.F.)	ASPHALT PATCH (S.Y.)	SHEET NO.	PROJECT
Portage Paths, East Bank		4508.8							20	Portage
Bike Path, West Bank		567.0							18	Dam
Bike Path, West Bank		2293.0							18	Lincoln Bridge
Bike Path, Lincoln & McLean Int.		318.6							15	Lincoln Bridge
Bike Path, West Bank			1561.7						18	Dam
Bike Path, West Bank			654.0						18	Dam
Portage Paths, East Bank, North			1427.2						19	Portage
Portage Paths, East Bank			2832.4						19	Lincoln Bridge
Portage Paths, East Bank, South			4985.7						19,20	Portage
Palisade Cul-de-Sac			847.1						17	Lincoln Bridge
West of Lincoln Bridge	Rt.			245.5			42.3		15	Lincoln Bridge
West of Lincoln Bridge	Lt.			111.6			20.8		15	Lincoln Bridge
East of Lincoln Bridge	Lt.			563.4			48.9		16	Lincoln Bridge
East of Lincoln Bridge	Rt.			471.9			77.8		16	Lincoln Bridge
Top of Steps by Lincoln				415.2					17	Lincoln Bridge
Bottom of Steps by Lincoln				189.0					19	Lincoln Bridge
Adjacent to Palisade				2008.3			269.7		19	Portage
Top of East Steps				60.4					20	Portage
Portage Path adj. to Parking lot				536.6					20	Portage
Bottom of West Steps				31.0					20	Portage
Top of West Steps				40.7					20	Portage
Bottom of East Steps				70.4					20	Portage
Private Residence on Palisade				16.4					17	Lincoln Bridge
West of Portage Path						29.2			20	Portage
East of Portage Path						42.4			20	Portage
Between Lincoln and Cul-de-Sac						44.8			19	Lincoln Bridge
Bike Path, West Bank, South								39.2	18	Dam
Bike Path, West Bank, North								40.0	18	Dam
West of Lincoln Bridge	Lt.				1				15	Lincoln Bridge
West of Lincoln Bridge	Rt.				1				15	Lincoln Bridge
Bike Path, East Bank					1				20	Portage
TOTAL		7687.4	12308.1	4760.4	3	116.4	575.5	79.2		

EARTHWORK					
STATION TO STATION	EXCAVATION		COMPACTION		PROJECT
	COMMON (CU. YD.)	VMF	95% COMPACTION (CU. YD.)	90% COMPACTION (CU. YD.)	
	320		265		Lincoln Bridge
TOTAL	320		265		Lincoln Bridge

**LINCOLN STREET BRIDGE AND DAM IMPROVEMENTS OVER ARKANSAS RIVER**

**SUMMARY OF QUANTITIES**  
SHEET TITLE  
472-84883  
PROJECT NUMBER

DESIGN BY JRA  
DRAWN BY JWC  
CHECKED BY JRA

ISSUED 1/24/2011  
REVISED

SHEET NO.  
**116 of 169**

PLOTTED: Tuesday, January 25, 2011 8:38:38 AM

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