

CONCRETE PAVEMENT		
LOCATION	NON-REINFORCED CONCRETE (5") (SQ.YD.)	REMARKS
STATION TO STATION		
10+20.00 - 35+80.63	2940.6	
36+19.37 - 41+19.00	559.3	
41+61.00 - 63+36.73	2421.9	
100+00.00 - 103+07.74	339.7	
103+40.56 - 119+80.68	1826.3	
120+18.63 - 139+16.93	2164.1	
139+98.93 - 147+83.63	917.6	
700+00.00 - 700+81.85	129.1	
600+06.67 - 602+46.36	263.1	
605+15.27 - 612+74.54	839.0	
613+02.23 - 620+81.73	857.3	
200+11.93 - 205+26.39	570.5	
205+85.19 - 210+43.00	508.7	
210+91.00 - 211+71.91	87.5	
214+10.81 - 231+28.86	1718.8	
232+40.42 - 237+44.47	486.6	
239+33.03 - 241+70.30	265.5	
242+00.22 - 275+34.15	3730.5	
400+42.57 - 406+28.63	651.2	
406+71.61 - 407+24.03	58.2	
407+62.00 - 410+77.58	350.7	
411+22.59 - 413+96.74	299.1	
420+50.15 - 421+66.32	173.4	
TOTAL	22159.0	

CONCRETE PAVEMENT		
LOCATION	REINFORCED CONCRETE (8") (SQ.YD.)	REMARKS
STATION TO STATION		
241+70.30 - 242+00.00	33.0	Drive to Boeing Industrial Addition
TOTAL	33.0	

CONCRETE PAVEMENT (ALTERNATE)		
LOCATION	NON-REINFORCED CONCRETE (5") (SQ.YD.)	REMARKS
STATION TO STATION		
500+83.51 - 517+19.33	1782.0	
TOTAL	1782.0	

CURB AND GUTTER		
LOCATION	6" CURB 2.0' GUTTER (LF)	REMARKS
STATION TO STATION		
214+08.77	34.0	On right side
222+03.88 - 231+41.19	963.3	On left side
232+26.30 - 237+50.97	543.0	On left side
TOTAL	1540.0	

WHEELCHAIR RAMPS		
LOCATION	WHEELCHAIR RAMP (10' WIDE) (EA)	REMARKS
STATION TO STATION		
103+09.80	1	Detectable warnings only
103+83.85	1	Detectable warnings only
700+83.85	1	Detectable warnings only
139+68.93	1	Detectable warnings only
139+96.93	1	Detectable warnings only
147+90.13	1	Ramp w/ detectable warnings
600+00.00	1	Ramp w/ detectable warnings
612+76.54	1	Detectable warnings only
613+00.23	1	Detectable warnings only
205+36.15	1	Ramp w/ detectable warnings
205+75.78	1	Ramp w/ detectable warnings
211+69.90	1	Detectable warnings only
212+76.16	1	Ramp w/ detectable warnings
213+00.36	1	Ramp w/ detectable warnings
214+08.77	1	Detectable warnings only
231+41.19	1	Ramp w/ detectable warnings
232+26.30	1	Ramp w/ detectable warnings
237+50.97	1	Ramp w/ detectable warnings
239+21.89	1	Ramp w/ detectable warnings
400+36.56	1	Ramp w/ detectable warnings
406+34.63	1	Ramp w/ detectable warnings
406+65.61	1	Ramp w/ detectable warnings
407+30.25	1	Ramp w/ detectable warnings
407+56.00	1	Ramp w/ detectable warnings
410+85.49	1	Ramp w/ detectable warnings
411+13.41	1	Ramp w/ detectable warnings
421+68.55	1	Detectable warnings only
TOTAL	27	

STORM WATER SEWER			
ITEM	QUANTITY	UNITS	REMARKS
SWS 12" RCP	91.0	L.F.	
SWS 15" RCP	185.0	L.F.	
SWS 18" RCP	62.0	L.F.	
SWS 24" RCP	128.0	L.F.	
SWS 24" CMP	78.0	L.F.	
SWS 36" RCP	30.0	L.F.	
12" RCP END SECTION	6	EACH	
15" RCP END SECTION	7	EACH	
18" RCP END SECTION	1	EACH	
24" RCP END SECTION	4	EACH	
24" CMP END SECTION	2	EACH	
STD. HEADWALL, for 36" RCP	1	EACH	WITH FLAP GATE
10'x4' TYPE 1A INLET	1	EACH	
5'x3' TYPE 1 INLET	1	EACH	
4' TYPE P MANHOLE	1	EACH	
4'x2' DROP INLET	1	EACH	
10'x4' RC BOX MH	1	EACH	WITH GRATED LID
INLET HOOK-UP	2	EACH	
LIGHT STONE RIP-RAP	201.0	S.Y.	

RETAINING WALL (MODULAR BLOCK)		
LOCATION	(8'x12" BLOCKS) (SQ. FT.)	REMARKS
STATION TO STATION		
25+26.00 - 28+36.00	1888.0	
239+92.00 - 240+22.00	91.0	
257+93.00 - 258+15.00	80.0	
TOTAL	2059.0	

EXCAVATION / COMPACTION			
LOCATION	CUBIC YARDS		REMARKS
STATION TO STATION	CUT	FILL	
10+00.00 - 63+36.73	1675.4	2760.3	
100+0.00 - 147+90.13	979.2	1997.4	
600+0.00 - 620+81.73	147.10	2029.4	
200+00.00 - 275+34.15	1177.3	1591.9	
400+0.00 - 421+68.55	230.5	334.7	
Total	4209.0	8714.0	

EXCAVATION / COMPACTION (ALTERNATE)			
LOCATION	CUBIC YARDS		REMARKS
STATION TO STATION	CUT	FILL	
500+77.53 - 517+19.33	485.9	616.9	
Total	486.0	617.0	

EROSION CONTROL			
ITEM	QUANTITY	UNITS	REMARKS
SILT FENCE BARRIER	14882.0	LF	
INLET PROTECTION	13	EACH	
DITCH CHECK, HAY BALE	7	EACH	
DITCH CHECK, SILT FENCE	37	EACH	
DOUBLE NET S-C BLANKET	5256.0	S.Y.	

LANDSCAPING			
ITEM	QUANTITY	UNITS	REMARKS
PROJECT SEEDING	1	LS	
BIKE TRAILHEAD	2	EACH	
BIKE PAUSE POINT	2	EACH	

TREES				
COMMON NAME	QTY.	SIZE	COND.	BOTANICAL NAME
CHINESE PISTACHE	4	2" CAL.	B&B	PISTACHE CHINENSIS
KENTUCKY COFFEETREE	11	2" CAL.	B&B	GYMNOCLADUS DIOCUS
RED BUD 'OKLAHOMA'	30	1-1/2" CAL.	B&B	CERCIS RENIFORMIS
RED OAK	15	2" CAL.	B&B	QUERCUS RUBRA
SAWTOOTH OAK	10	2" CAL.	B&B	QUERCUS ACUTISSIMA
SPRING SNOW CRABAPPLE	14	1-1/2" CAL.	B&B	MALUS 'SPRING SNOW'
WILLOW OAK	1	2" CAL.	B&B	QUERCUS PHELLOS

LANDSCAPING (ALTERNATE)			
ITEM	QUANTITY	UNITS	REMARKS
PROJECT SEEDING	1	LS	
BIKE PAUSE POINT	1	EACH	

OTHER ITEMS			
ITEM	QUANTITY	UNITS	REMARKS
42'x14' STEEL BRIDGE	1	EACH	
BRIDGE ABUTMENTS	1	LS	For 42'x14' Steel Bridge
10' WIDE RAILROAD CROSSING	1	EACH	
THICKEND EDGE CONCRETE	2152	L.F.	
42" HIGH STEEL RAILING	524	L.F.	
42" HIGH GUARD POST	77	EACH	
TRAFFIC SIGNS	1	LS	
TRAFFIC SIGNAL IMPROVEMENT	1	LS	
PAVEMENT MARKING AND STRIPING	1	LS	
TEMPORARY TRAFFIC CONTROL	1	LS	
2' WIDE 4" CONCRETE FLUME	17	L.F.	
CHAIN LINK FENCE	282	L.F.	
ADJUST TOP OF SS MH	1	EACH	
REMOVE CONCRETE PAVEMENT	1136	S.Y.	
REMOVE 6" CURB AND GUTTER	1496	L.F.	
REMOVE CONC. SIDEWALK	284	S.Y.	
REMOVE ASPHALT BIKE PATH	79	S.Y.	
REMOVE TREES, BIG	2	EACH	
REMOVE TREES, SMALL	15	EACH	
REMOVE HEAD WALL W/ FLAP GATE	1	EACH	
REMOVE 15" RCP END SECTION	1	EACH	
REMOVE 24" CMP END SECTION	2	EACH	
REMOVE FENCE	40	L.F.	
REMOVE BOLLARDS	2	EACH	
RELOCATE TRAFFIC SIGN	8	EACH	
REMOVE CRUSHED CONC. BLOCKS	675	S.Y.	
SITE CLEARING AND RESTORATION	1	LS	

OTHER ITEMS (ALTERNATE)			
ITEM	QUANTITY	UNITS	REMARKS
SITE CLEARING AND RESTORATION	1	LS	

RECAPITULATION OF QUANTITIES			
ITEM	QUANTITY	UNITS	REMARKS
GENERAL AND PAVING ITEMS			
SITE CLEARING	1	LS	
SITE RESTORATION	1	LS	
6" CURB AND GUTTER	1540	LF	
WHEEL CHAIR RAMP	17	EA	
DETECTABLE WARNINGS	10	EA	
EXCAVATION, CUT	4209	CY	
EXCAVATION, FILL	8714	CY	
REMOVE BOLLARDS	7	EA	
REMOVE FENCE	40	LF	
BIKE TRAILHEAD	2	EA	
PAUSE POINT	2	EA	
STEEL PED. BRIDGE(42'x14')	1	EA	
BRIDGE ABUTMENTS	1	LS	FOR 40'x14' STEEL BRIDGE
STEEL RAILING 42"	524	LF	
STEEL GUARD POSTS, 42"	77	EA	
CHAIN LINK FENCE	282	LF	
DRAINAGE ITEMS			
12" RCP	91	LF	
15" RCP	185	LF	
18" RCP	62	LF	
24" RCP	128	LF	
36" RCP	30	LF	
24" CMP	78	LF	
12" RCP END SECTION	6	EA	
15" RCP END SECTION	7	EA	
18" RCP END SECTION	1	EA	
24" RCP END SECTION	4	EA	
24" CMP END SECTION	2	EA	
HEAD WALL FOR 36" RCP	1	EA	WITH FLAP GATE
10'x4' TYPE 1A INLET	1	EA	
5'x3' TYPE 1 INLET	1	EA	
INLET HOOK-UP	2	EA	
4' TYPE P MANHOLE	1	EA	
ADJUST TOP OF SS MANHOLE	1	EA	
4'x2' DROP INLET	1	EA	
10'x4' RC BOX MH	1	EA	WITH GRATED LID
CONCRETE FLUME 2' WIDE	17	LF	
REMOVE HEADWALL	1	EA	FOR 36" RCP W/FLAP GATE
REMOVE 15" END SECTION	1	EA	RCP
REMOVE 24" END SECTION	2	EA	CMP

RECAPITULATION OF QUANTITIES (CONT.)			
ITEM	QUANTITY	UNITS	REMARKS
TRAFFIC ITEMS			
RELOCATE TRAFFIC SIGN	8	EA	
BIKE PATH SIGNAGE	1	LS	
PAVEMENT MARKING	1	LS	
TRAFFIC CONTROL	1	LS	
SIGNAL IMPROVEMENT	1	LS	
RAILWAY CROSSING 10' WIDE	1	EA	
LANDSCAPE ITEMS			
PROJECT SEEDING	1	LS	
TREE, CHINESE PISTACHE	4	EA	-2" CALIPER
TREE, KENTUCKY COFFEETREE	11	EA	-2" CALIPER
TREE, OKLAHOMA REDBUD	30	EA	-2" CALIPER
TREE, RED OAK	15	EA	-2" CALIPER
TREE, SAWTOOTH OAK	10	EA	-2" CALIPER
TREE, SPRING SNOW CRABAPPLE	14	EA	
TREE, WILLOW OAK	1	EA	
GENERAL AND PAVING ITEMS			
RETAINING WALL	2059	SF	
REMOVE CONC. PAVEMENT	1136	SY	
REMOVE CONC. SIDEWALK	284	SY	
REMOVE 6" CURB AND GUTTER	1496	LF	
REMOVE ASPHALT BIKE PATH	79	SY	
CONCRETE PAVEMENT 5"	22058	SY	
THICKEND EDGE CONCRETE	2152	LF	
REINF. CONC. PAVEMENT 8"	33	SY	
LIGHT STONE RIP-RAP	201	SY	
REMOVE CRUSHED CONC. BLOCKS	675	SY	
LANDSCAPE AND EROSION CONTROL ITEMS			
LARGE TREES REMOVED	2	EA	
SMALL TREES REMOVED	15	EA	
BMP, DITCH CHECK, HAY BALE	7	EA	
BMP, DITCH CHECK, SILT FENCE	37	EA	
BMP, DOUBLE NET S-C BLAKET	5256	SY	
BMP, INLET PROTECTION	13	EA	
BMP, SILT FENCE	14882	LF	

RECAPITULATION OF QUANTITIES (ALTERNATE ITEMS)			
ITEM	QUANTITY	UNITS	REMARKS
GENERAL, PAVING AND LANDSCAPE ITEMS			
SITE CLEARING	1	LS	
SITE RESTORATION	1	LS	
EXCAVATION, CUT	486	CY	
EXCAVATION, FILL	617	CY	
SEEDING (ALTERNATE AREA)	1	LS	
PAUSE POINT	1	EA	
PAVING ITEMS			
CONCRETE PAVEMENT 5"	1782	SY	

City of Wichita Bike Path Expansion			
Quantities Wichita, KS			
PROJECT NUMBER 472-84932			
KEMILLER engineering	FILE quantity	DATE 08/2011	SHEET 69
DESIGN KM	DRAWN GP	REVISED	OF 112
516 S. Market, Wichita, KS 67202		316/264-0242	