

RECAPITULATION OF QUANTITIES

Code No	Bid Item	Approximate Quantities	Unit
BIKE PATH			
1114000	Mobilization	1	LS
1115000	Mobilization (DBE)	1	LS
1113000	Field Office & Laboratory (Type A)	1	LS
1211000	Site Clearing	1	LS
1212000	Site Restoration	1	LS
1201000	Removal of Existing Structures	1	LS
1221000	Fill, Compacted (95% Density)	50	CY
1230000	Excavation	100	CY
	Special Waste Removal	70	CY
2430006	Concrete Pavement 6" (Reinf)	97	SY
2430008	Concrete Pavement 8" (Reinf) (Crosswalk)	304	SY
2263006	Crushed Rock Base 6", Reinforced (Crosswalk)	375	SY
2220000	Brick Pavers (Crosswalks)	225	SY
	Concrete Bike Path 5" (Reinf)	6,492	S.Y.
	Concrete Sidewalk 5" (Reinf)	798	SF
2248308	Concrete Driveway 8" (Reinf)	2,270	SF
2244400	Concrete C & G, Type 4 (6-5/8" & 1-1/2")	326	LF
1253000	Retaining Wall (Modular Block)	355	SF
2254000	Concrete Sidewalk Protection Curb	76	LF
2256000	Wheelchair Ramp w/ Detectable Warnings	16	EA.
	Install & Grade AB3 Rock Shoulder	10,844	LF
1292000	Pavement &/or Curb Removed	381	SY
1294000	Sidewalk, Drive, &/or Pkg Lot Removed	563	SY
5513044	Inlet, Curb (Type 2) (L=3'8" W=3'4 3/8")	1	EA.
4560036	Pipe, SWS 36"	42	LF
4570030	Pipe, SWS, HERCP (24"x38") (30")	30	LF
4560015	Pipe, SWS 15"	17	LF
4540036	Pipe, End Section 36"	2	EA.
	Pipe, End Section 24"x38"	2	EA.
	RCBC Hubguard Repair	44	LF
1560000	Rip Rap, Light Stone	64	S.Y.
	Decorative Bollards	14	EA.
1270000	Handrail	420	LF
8920000	Traffic Signalization (Hillside)	1	LS
	Electrical - Light Poles, Bases, Controls and Service	1	LS
	Bridge Deck Reconstruction	1	LS
9030000	Seeding	1	LS
8820000	Signage	1	LS
8710000	Pavement Markings	1	LS
8810000	Traffic Control	1	LS
1610000	BMP, Back of Curb Protection	310	LF
1612000	BMP, Curb Inlet Protection	7	EA.
1614000	BMP, Ditch Checks	2	EA.
1617000	BMP, Silt Fence	12,900	LF
SUB TOTAL BID ITEMS:			
AMMENITIES, PAUSE POINTS, TRAIL HEADS, ETC.			
HYDRAULIC TRAIL HEAD			
2430005	Concrete Pavement 5" (Reinf) (Parking Lot)	331	SY
2263005	Crushed Rock Base 6" Reinforced (Parking Lot)	353	SY
2247200	Concrete Curb, Mono Edge (6" & 1-1/2") (Parking Lot)	202	LF
2430005	Concrete Pavement 5" (Reinf) (Plaza)	95	SY
2220000	Brick Pavers (Plaza) (Includes Crushed Rock Base)	133	SY
	Concrete Sidewalk 5" (Reinf)	710	SF
2248308	Concrete Driveway 8" (Reinf)	866	SF
1230000	Excavation	200	CY
	Special Waste Removal	200	CY
2256000	Wheelchair Ramps w/Detectable Warnings	3	EA.
1292000	Pavement &/or Curb Removed	15	SY
	Parking Lot Marking	1	LS
9052000	Tree Removal, Large	5	EA.
SUBTOTAL			
HILLSIDE PAUSE POINT			
2430005	Concrete Pavement 5" (Reinf) (Plaza)	97	SY
2220000	Brick Pavers (Plaza) (Includes Crushed Rock Base)	177	SY
2256004	Concrete Sidewalk 4"	365	SF
1292000	Pavement &/or Curb Removed	21	SY
1294000	Sidewalk, Drive &/or Pkg Lot Removed	41	SY
1230000	Excavation	32	CY
	Special Waste Removal	32	CY
	Concrete Sidewalk 5" (Reinf)	2,832	SF
	Shade Structures	2	EA.
	Shade Structure Footings	8	EA.
	Art Board Frames	4	EA.
	Pillar Foundations	1	EA.
	Concrete Art Wall	13	EA.
	Landscaping (Incl. Trees, Shrubs, Berms & Turf)	1	LS
1276000	Bench	2	EA.
SUBTOTAL			
13TH STREET TRAIL HEAD			
2220000	Brick Pavers (Plaza) (Includes Crushed Rock Base)	177	SY
	Concrete Sidewalk 5" (Reinf)	285	SF
1230000	Excavation	19	CY
	Special Waste Removal	19	CY
	Arch Structures	4	EA.
	Arch Structure Footings	8	EA.
	Art Board Frame	1	EA.
	Art Plaque Frame	16	EA.
	Landscaping (Incl. Trees, Shrubs, Berms & Turf)	1	LS
SUBTOTAL			
17TH STREET TRAIL HEAD			
2430005	Concrete Pavement 5" (Reinf) (Parking Lot)	322	SY
2263005	Crushed Rock Base 6" Reinforced (Parking Lot)	344	SY
2247200	Concrete Curb, Mono Edge (6" & 1-1/2") (Parking Lot)	196	LF
	Parking Lot Marking	1	LS
2430005	Concrete Pavement 5" (Reinf) (Plaza)	185	SY
2220000	Brick Pavers (Plaza) (Includes Crushed Rock Base)	365	SY
	Concrete Sidewalk 5" (Reinf)	966	SF
2248308	Concrete Driveway 8" (Reinf)	650	SF
2256000	Wheelchair Ramp w/Detectable Warnings	3	EA.
1230000	Excavation	225	CY
1292000	Pavement &/or Curb Removed	18	SY
1294000	Sidewalk, Drive &/or Pkg Lot Removed	22	SY
	Arch Structures	4	EA.
	Arch Structure Footings	8	EA.
	Shade Structures	2	EA.
	Shade Structure Footings	8	EA.
	Art Board Frame	2	EA.
	Art Plaque Frames	16	EA.
	Pillar Foundations	1	EA.
	Concrete Art Wall	13	EA.
	Landscaping (Incl. Trees, Shrubs, Berms & Turf)	1	LS
1271000	Bench	4	EA.
SUBTOTAL			
SUBTOTAL ENGINEERING COST			
TOTAL COST (ENGINEERING) W/10% CONTINGENCY			
ART WORK FROM CONSULTING ARTIST (NON-BID)			
	Norm Terry	1	LS.
	Todd Whipple	1	LS.
	Tina Murano	1	LS.
	Charles Davis	1	LS.
	Janus Thacker	1	LS.
	Izone Imaging	1	LS.

CRUSHED ROCK BASE 6" REINFORCED	
LOCATION	AREA S. Y.
Path (Crosswalks)	375
Hydraulic Trail Head (Parking Lot)	353
17th Street Trail Head (Parking Lot)	344
Total	1,072

BRICK PAVERS PLAZA	
LOCATION	AREA S. Y.
Hydraulic Trail Head	133
Hillside Pause Point	177
13th Street Trail Head	177
17th Street Trail Head	365
Total	977

Note: Cost of Plaza Rock Base Under Brick Pavers to be included in the Bid Price For The Item "Brick Pavers (Plaza)".

BRICK PAVERS CROSSWALKS	
LOCATION	AREA S. Y.
Path	225
Total	225

CONCRETE SIDEWALK 4"	
LOCATION	AREA S. F.
Hillside Pause Point	365
Total	365

CONCRETE SIDEWALK 5" (REINF)	
LOCATION	AREA S. F.
Path	798
Hydraulic Trail Head	710
Hillside Pause Point	2,832
13th Street Pause Point	285
17th Street Trail Head	966
Total	5,591

CONCRETE BIKE PATH 5" (REINF)	
LOCATION	AREA S. Y.
Path	6,492
Total	6,492

WHEELCHAIR RAMPS w/DETECTABLE WARNINGS	
LOCATION	NUMBER EA.
Path	16
Hydraulic Trail Head	2
17th Street Trail Head	3
Total	21

EARTHWORK (FROM CALCULATIONS)				
LOCATION	EXCAVATION	COMPACTION	EXCAVATION WASTED	SPECIAL WASTE REMOVAL*
	COMMON	(95% Density)	COMMON	CONTAMINATED
	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
Bike Path	100	50	---	100
Hydraulic Trail Head	200	20	---	20
Hillside/9th Street Connection	32	---	---	32
13th Street Pause Point	19	---	---	19
17th Street Trail Head	225	---	155	---
BID TOTALS	576	70	155	171

* Part of Excavation Waste that is contaminated. To be removed, handled and disposed of at an approved site in accordance with KDHE regulations.

NOTE:
For Signing Quantities, See Sign Detail Sheet

CONCRETE PAVEMENT 5" (REINF) PLAZA	
LOCATION	AREA S. Y.
Hydraulic Trail Head	95
Hillside Pause Point	97
17th Street Trail Head	185
Total	337

CONCRETE PAVEMENT 5" (REINF) PK. LOT	
LOCATION	AREA S. Y.
Hydraulic Trail Head	331
17th Street & Oliver	322
Total	653

CONCRETE PAVEMENT 6" (REINF)	
LOCATION	AREA S. Y.
Path	97
Total	97

CONC PAVEMENT 8" (REINF) CROSSWALK	
LOCATION	AREA S. Y.
Path	304
Total	304

PROTECTION CURB	
LOCATION	LENGTH L.F.
Path	76
Total	76

CONCRETE DRIVEWAY 8"	
LOCATION	AREA S. F.
Path	2,279
Hydraulic Trail Head	866
17th Street Trail Head	650
Total	3,795

RETAINING WALL	
LOCATION	LENGTH L. F.
Path	355
Total	355

CONC CURB, MONO EDGE (6-5/8" & 1-1/2")	
LOCATION	LENGTH L.F.
Hydraulic Trail Head	202
17th Street Trail Head	196
Total	398

CONC C & G TYPE 4 (6/5/8" & 1-1/2")	
LOCATION	AREA S. Y.
Path	293
Hydraulic Trail Head	54
Hillside Pause Point	73
17th Street Trail Head	65
Total	485

Drawing File: E:\Projects\Redbud Bike Path\Details\Summary of Quantities.dwg

Design: KEK
Drawn: Staff
Approved: JFB
Scale: None

Project No. 11-07-E650 CAPITAL IMPROVEMENT PROJECT
REDBUD BIKE PATH
SUMMARY OF QUANTITIES

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

AUGUST, 2014

SHEET
62
OF
84