

**ANDERSON TOWNSHIP PARK DISTRICT
RIVERSIDE PARK IMPROVEMENTS 2010**

11/16/10

The following reports represent a comparison between:

- Engineer's Probable Cost for the park improvements with all components contracted out and;
- Actual Cost for the park improvements with the ATPD serving as the General Contractor.

The components of the Park Improvements include: the All Weather Fields; Field Accessories; Parking Lots; and Paved Trail.

As a result of the ATPD using in-house labor and equipment, and acting as the General Contractor, the ATPD reduced the cost for this project by \$1,369,513.00.

Also included are supporting materials for the All Weather Field and the permeable paver lot located at Riverside Park.

Engineer's Probable Cost	\$3,315,910.00
ATPD Expense for All Components	<u>\$1,946,397.00</u>
Savings from Original Estimate	\$1,369,513.00

OPINION OF PROBABLE COST
 Riverside Park Contracts C, D and E
 Anderson Township Park District
 Project No. 10031
 BRANDSTETTER CARROLL INC.
 11/19/2010

Contract A - Artificial Turf Fields		Quantity	Unit	Unit Cost	Cost
1. Turf Fields					
a.	Artificial turf field, aggregate base, and curb	165,000	s.f.	\$8.25	\$1,361,250
b.	6' fencing w/ posts 5' o.c.	1,756	l.f.	\$20.00	\$35,120
c.	20' netting and posts	950	l.f.	\$15.00	\$14,250
d.	Gates- 8' wide	4	each	\$800.00	\$3,200
e.	Gates - 10' wide	2	each	\$1,000.00	\$2,000
Contract B - Lighting & Electrical					
1. Lighting					
a.	Light Materials - Musco	1	l.s.	\$190,000.00	\$190,000
b.	Installation - Includes panels, conduit and wiring	1	l.s.	\$285,000.00	\$285,000
Contract C - Permeable Paver Parking Lot					
1. Concrete					
a.	Curbs	2,160	l.f.	\$18.00	\$38,880
b.	Sidewalks	123	s.y.	\$54.00	\$6,642
Subtotal					
2. Pavers					
a.	Permeable Pavers and aggregate setting bed.	49,010	s.f.	\$4.00	\$196,040
b.	Aggregate Base - 12" #2 & 4" #57	49,010	s.f.	\$3.25	\$159,283
c.	Pavement marking	2,835	s.f.	\$0.50	\$1,418
Contract D - Asphalt					
3. Asphalt					
a.	Vehicular Asphalt over existing gravel surface	2,595	s.y.	\$15.00	\$38,925
b.	Vehicular Asphalt Parking and driveway & base	2,302	s.y.	\$22.00	\$50,644
c.	West Lot curbs	1	l.s.	\$4,000.00	\$4,000
d.	Pavement marking	2,799	l.f.	\$1.00	\$2,799
4. Asphalt Trail & Trail Extension					
a.	Vehicular Asphalt Trail	2,595	s.y.	\$25.00	\$64,875
b.	Pedestrian Asphalt Trail	2,302	s.y.	\$22.00	\$50,644
c.	Pedestrian Trail Extension	6,900	s.y.	\$22.00	\$151,800
Contract E - Bleachers and Press Box					
5. Bleachers and Press Box					
a.	10 row 33' with press box materials	1	each	\$46,865.00	\$46,865
b.	Installation	1	each	\$10,000.00	\$10,000
c.	5 row 33' loing	2	each	\$8,400.00	\$16,800
d.	3 row 27'	1	each	\$6,000.00	\$6,000
e.	10 row 21'	2	each	\$11,457.00	\$22,914
f.	Concrete pad	519	s.y.	\$54.00	\$28,026
g.	Press box footer	350	c.y.	\$5.20	\$1,820
OTHER ITEMS					
1.	Scorebaords	2	each	\$10,000.00	\$20,000
2.	Soccer Goals	5	pair	\$2,500.00	\$12,500
3	Football Goal Posts	2	pair	10000	\$20,000

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SITE WORK					
1	Earthwork	5,000	c.y.	\$6.00	\$30,000
2	Silt Fence	2,520	l.f.	\$1.00	\$2,520
3.	Sediment Control	1	l.s.	\$2,500.00	\$2,500
4.	Storm Tech Chambers	190	l.f.	\$60.00	\$11,400
5.	Storm Drains - Catch Basins	9	ea.	\$2,000.00	\$18,000
6.	Drilled dry well holes under field and permeable lot	139	ea.	\$500.00	\$69,500
7.	Construction Entrance	1	l.s.	\$2,000.00	\$2,000
8.	Trees	32	ea.	\$400.00	\$12,800
9.	Shrubs	87	ea.	\$50.00	\$4,350
10.	Sod	500	s.y.	\$4.00	\$2,000
11.	Seed and Mulch	6,700	s.y.	\$1.00	\$6,700
12.	Water line and plumbing	1	l.s.	\$11,000.00	\$11,000
					\$0
Construction Subtotal					\$3,014,464
10% General Conditions / Bonds/ Etc.					\$301,446
CONSTRUCTION TOTAL					\$3,315,910

Note: Does not include surveying, engineering, geotechnical services, archeological services, printing, bidding costs, etc.

Riverside All Weather Fields & North Parking Lot

Company	Amount	Service/Product
Advanced Turf Solutions	3,352.00	Seed & fertilizer
Atkins & Stang	110,825.00	Electric
Brandstetter Carroll, Inc	38,700.00	Engineering
Citywide Materials	1,710.75	Concrete
Custom Curb Service	3,368.25	Parking lot curbs
David Williams & Associates	11,548.00	Soccer goals
David York Sports	104,650.00	Bleachers & press box
Discount Drainage Supplies	7,123.02	Drainage
Duke Energy	25,494.22	Transformer & Electric hookup
EME Fencing	16,765.21	Fence
EME Fencing	8,780.64	Fence
EME Fencing extra supplies	477.37	Fence
Enquirer Media	2,106.54	Adds for bids
E-Z Rent-All	210.40	Bobcat bucket excavator & cam lock
H&M Surveying	3,305.00	Survey
Hanson Aggregates	75,819.75	Gravel
HD Supply Water Works	1,679.36	Water supply hookup
Hilltop Basic	338.25	Sand
Home Depot	1,069.86	Wood etc.
Industrial Electronic Service	12,442.00	Scoreboards
J.D Stine	500.00	Scoreboard redesign
J and I Equipment	660.00	Equipment Hauling
Miscellaneous	1,790.01	Miscellaneous
Musco	190,000.00	Lights
Natorp Company	7,282.50	Landscape
Natural & Ethical Environmental	5,359.00	Archeologist
Peck, Shaffer & Williams	7,850.00	Bond work
PSI, Inc	4,200.00	Geotechnical work
Queen City Reprographics	910.40	Plans
Rack Seven Paving	74,175.00	Lot #1 paving
Soccer Village	14,903.70	Football goal posts
The Motz Group	819,600.00	Turf field
Turpin Farms	980.00	Sod
US Fabrics	10,720.00	Geotextile fabric for field
Westerbeke	3,100.00	Netting
Withamsville Winnelson	7,322.42	Plumbing for water supply hookup
Total	1,579,118.65	

Additional Projects, Equipment Expense, Fuel, and Labor Cost

Riverside Permeable Parking Lot

Company	Amount
Decorative Paving	213,140.00
Distinctive Signs	821.00
Hanson Aggregates	33,374.14
US Fabrics	3,450.00
Total Current Expenses	250,785.14
Less Ohio EPA SWIF Grant	<u>150,000.00</u>
Total ATPD Expense	100,785.14

Riverside Trail Extension

Company	Amount
Hanson Aggregates	24,794.74
Rack Seven Paving	76,060.00
total	100,854.74

All Project Equipment Cost

ATPD Equipment	48,666.38
Equipment Rental (Arts & Southeastern)	<u>16,290.34</u>
Total All Projects Equipment Cost	64,956.72

Total All Projects Cost of Diesel Fuel	7,424.36
Total All Projects ATPD Employees with BLR	93,257.25
Total All Projects Equipment Cost	64,956.72
Current Projects Overall Cost	2,096,396.86

Current Projects Overall Cost	2,096,396.86
Ohio EPA SWIF Grant Reimbursement	<u>150,000.00</u>
ATPD EXPENSE FOR ALL PROJECTS	1,946,396.86

THE MOTZ GROUP

Innovators in High Performance Turf

3607 Church Street, Suite 300, Cincinnati, Ohio, 45244 U.S.A.

Voice: 513.533.6452 Facsimile: 513.871.5889

www.themotzgroup.com

TO: Ken Kushner, Anderson Township Park District
FROM: Zach Burns
DATE: May 12, 2009
RE: Riverside Park - Synthetic Turf Field

It was a pleasure for me and Joe Motz to meet with you and Mike Smith on May 5th to discuss your plans for a new synthetic turf system in Riverside Park. A Motz SportGrass-Green by Design™ synthetic field system would greatly compliment your already outstanding natural playing fields. This system is designed to be environmentally superior to traditional infilled synthetic turf fields, using raw products that are free of heavy metals, eliminating SBR rubber and incorporating components that are made from recycled components that would allow for recycling at the end of their intended life. It would also allow the Park District to increase field usage and bring football to Riverside.

As you and Mike pointed out during the meeting, the Park District has capable operators and heavy equipment that can be used during the excavation and base construction phase. We would be happy to allow you to excavate and construct the base. It is our understanding that your scope of work would include:

The new playing field area would replace the existing gravel parking lot and the set of natural fields adjacent to the parking lot. The grade has a slight crown running E/W and the new grade would be a slope of 0.5%.

Stripping of the existing organic layer, laser leveling of the subgrade to a tolerance of +/-0.1' and proof rolled. Dry wells would be drilled around the field perimeter to allow for the field to drain into the underlying gravel bed. These wells would be fed by a trenched perimeter line around the system.

The playing field's stone base foundation would consist of a compactable aggregate, such as 304s, or recycled crushed concrete constructed at a depth of 3". This foundation gravel would be laser graded to a tolerance of +/-0.06, with a planarity of +/-0.03 in any 20 linear feet.

A 6" by 8" concrete curb placed on 3" of crushed stone would be poured around the perimeter of the field creating a playing surface area totaling 164,000 sq ft (315' by 520'). A moisture resistant composite wood nailer beam would be attached to the interior face of the curb to create a turf termination anchor.

Estimated cost for this phase of construction would be near \$3.00 per sq ft or \$492,000.00. As you can see, utilizing the Parks Division crew on the project would create a substantial value to Anderson Township.

The Motz Group scope of work would include:

Provide detailed construction guidelines, product specifications, and on-going supervision during the base construction phase.

Perform the final laser grade and buffering of the base aggregate. Furnish and lay the moisture barrier on the compacted stone base. Install the ¾" recycled closed-cell foam shock attenuation pad with drainage channels.

The playing surface would be made using TenCate yarn; a high-quality monofilament product from the industry leading manufacturer of sport field fibers. Field markings would include yellow soccer lines and white football lines. Also, tick marks could be installed for temporary painting for other possible field configurations. The infill would be an environmentally inert product in a two-color blend of black and green granules. A PDF of the area is attached for your reference.

Because of its exceptional components and unique characteristics, this system comes with a 15% price premium over our normal rubber/sand infilled systems. Because Riverside Park would be the first field in the area to have our "green" system, we are willing to offer it to you at the same price as our traditional 24/7 system. We believe that Anderson Township Parks District would be an ideal first partner for this new, environmentally tuned product. The Motz Group project cost for our scope of work listed above, would come in at \$4.95 per sq ft or a project total of \$811,800.00 based on a finished area of 164,000 sq ft.

Thank you for the opportunity to meet and present this preliminary budget proposal for our SportGrass - Green by Design™ synthetic turf system. We look forward to continuing to work with you and Mike in any way we can be of help.

Best regards!

CC - Mike Smith

Mike Smith

From: Zach Burns [zburns@themotzgroup.com]
Sent: Friday, November 12, 2010 3:26 PM
To: Mike Smith
Subject: budgets

Mike –

Per our conversation: if we were to construct a turn-key full field system using our 24/7HP system (like Riverside's turf) a good starting point budget would be in the \$8.00 - \$8.25 sq ft range. That would assume favorable site conditions and drainage tie-ins.

Best,

Zach Burns
Sales and Marketing Director

The Motz Group, Inc.
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DATE: 5.21.10

TO: PAVESTONE CO.

ATTN: ED LINK

Project: ANDERSON TOWNSHIP PARK-Permeable Unit Paver System

Thank you for spreading the word about this exciting and effective method of storm water management, employing *Permeable Unit Paver Systems*.

As you are aware, this method of storm water management offers many advantages, a few are: control of short duration storm water runoff, reduction of downstream flooding, natural filtration and a reduction in overall development costs. We have prepared a preliminary cost estimate for your review. I would be available to meet with you or your client and discuss further our applications and methods, please call should you wish to meet.

Decorative Paving Company proposes to provide the following cost estimate per the stated scope for the above referenced project.

Scope, Furnish and Install:

8cm Uni- Permeable Concrete pavers installed, patterned to be determined by the mold configuration, color as selected from manufacturers standard color offering.

2" 3/8" chips setting bed.

3/8" chips to fill open voids.

All equipment necessary to install above.

PRICE: \$3.65/sf (for the installation of 49,200 sf of paved surface)

Other Provisions and Exclusions:

Concrete curbs by others.

Excavation of paved area by others.

Installation of base/storage area by others.

Layout points and elevations provided by others.

Access to be provided by others.

Drainage pipes and/or storm water hookups if required not included in above pricing.

Generally, if the base profile is 12" of #2" stone and 4" of 3/4" crushed washed stone the cost to furnish and install is approximately \$2.60 to 2.75/sf. At 16" gravel base, the total project would give you approximately 31,000 cubic feet of storage. The storage capacity can be adjusted by increasing the depth of the gravel.

When comparing cost to other systems make sure they consider the reduced cost for underground storm water piping, catch basins, curb and gutters and all other cost related to conventional storm water management and asphalt parking lot construction. Also, because of the storage capacity of the gravel base you can eliminate the need for retention/detention ponds. Other benefit when using the pavers are high curb appeal and a paved surface with a 30 life cycle cost.

Decorative Paving Company have installed are in the process of installing over 750,000sf of Permeable Unit Pavers Systems and have worked with many municipalities that have concerns about both the management aspect and water quality issues, both of which were addressed once the projects were completed.

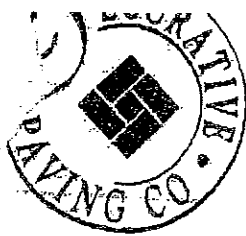
Hopefully they will be able to employ this System with this project and many more in the very near future. Please call if you have any questions or need additional cost information. We greatly appreciate your sale efforts.
Thanks.

RESPECTFULLY:

Kevin Piers



*39 Glendale Milford Road
Loveland, Ohio 45140
800.972.8370*



DATE: 10.22.10

TO: ANDERSON TOWNSHIP PARK DISTRICT

ATTN: MIKE SMITH

FAX: 513.338.2494

39 Glendale-Milford Road
Loveland, Ohio 45140

(513) 576-1222

Fax (513) 576-1210

(800) 972-8370

Project: RIVERSIDE PARK PERMEABLE UNIT PAVER SYSTEM

Mike, if we were to bid the project per the states scope below to a general contractor and they would provide all excavation and removal of excavated soils off site it would be as follows:

Decorative Paving Company proposes to provide the following cost estimate per the stated scope for the above referenced project.

Scope, Furnish and Install:

8cm Concrete pavers installed, patterned to be determined by the mold configuration, color as selected from manufacturers standard color offering.

12" of #2's compacted to proper grade.

4" of washed 57's compacted to proper grade.

2" 3/8" chips setting bed.

3/8" chips to fill open voids.

Concrete curbs and walk installed per specification.

ADA pavers, parking bumpers and parking lot stripping as per specification.

Top soil back fill and grading behind curbs.

All equipment necessary to install above.

PRICE: \$388,900.00

Other Provisions and Exclusions:

Excavation of paved area by others.

Access to be provided by others.

Drainage pipes and/or storm water hookups if required not included in above pricing.

All permits, inspection fees and testing by owner.

Please give me a call if you have any questions.

RESPECTFULLY:

The Smart Alternative In
Hardscape Designs Since 1978