

**Radnor Township  
Public Works &  
Engineering  
Departments**

# Memorandum

**To:** Radnor Township Board of Commissioners  
**From:** Stephen F. Norcini, PE *SN*  
**CC:** Robert A. Zienkowski, Township Manager  
**Date:** 10/10/2016  
**Re:** Alterations & Renovations to Clem Macrone Park, Contract #B-16-006

The memorandum in the Board of Commissioners packet is solely in regards to the award of the Prime Contracts for the park. The following outlines the total project cost for Clem Macrone Park.

Site Prime – Twinings Construction	\$1,222,800.64*
Electrical Prime – Lenni Electric	\$91,724.00
General Prime – L.J. Paoletta	\$362,053.00
Plumbing Prime – Twinings Construction	\$46,500.00
<b>TOTAL, value engineered prime contracts</b>	<b>\$1,723,077.64</b>
Township Purchase of Playground Equipment	\$190,361.00**
<b>Project Total</b>	<b>\$1,913,438.64</b>
Budgeted Amount	\$1,843,246.00
<b>Shortfall</b>	<b>\$70,192.64</b>

The shortfall is proposed to be spread out over the remaining Bond Proceeds of \$4,210,162 (Bo Connor Park, Cappelli Golf Range, Emlen Tunnel Park, Encke Park, Fenimore Woods, Ithan Valley Park, Petrie Park, Skunk Hollow, Warren Filipone Park). Costs will be further reduced by additional grant funding, in the amount of \$40,000, pending award on October 17<sup>th</sup>, 2016.

The value engineering process was a review of the entire project, and all its components. In the original bid, the playground equipment was included. During that process, while reviewing all costs, it was determined that substantial savings would be realized if the Township were to pull the playground equipment from the bid, and purchase it on CoStars, and have it delivered to the site.

We will be requesting at the October 24<sup>th</sup>, regularly scheduled Board of Commissioners meeting, authorization to purchase the aforementioned playground equipment, in the approximate amount of \$190,361 through CoStars.

\*The architect, Kimmel- Bogrette provided revised VE numbers late Friday; this is the revised number, which is actually \$5,000 less than noted in the Legislative Memorandum.

\*\*This amount is approximate, the final, exact amount will be provided in our authorization to purchase request to the Board of Commissioners meeting scheduled on October 24<sup>th</sup>, 2016.

## Alterations and Renovations to Clem Macrone Park

### REVISED CONTRACT TOTAL SUMMARY

	ORIGINAL BID	VALUE ENGINEERING SAVINGS	NEW CONTRACT NUMBERS AFTER VE	COMMENTS
Site (Twining)	1,601,167.00	378,366.36	1,222,800.64	Includes Alternates #S1-#S6 *(Playground installation only included)
Plumbing (No bid)		N/A	46,500.00	**
Electrical (Lenni)	94,554.00	2,830.00	91,724.00	Includes Alternate #E1
General (L.J. Paolella)	383,678.00	21,625.00	362,053.00	No Alternates included
Construction Contract Total:			1,723,077.64	
Playground Equipment:			190,361.00	
Total:			1,913,438.64	
Contingency:			60,000.00	
<b>FOOTNOTES:</b>				

\* Cost does not include purchasing equipment. Twp. to purchase playground equipment off State Contract, Site Contractor to Install.

\*\* Cost provided by subcontractor of Twining Construction



## Alterations and Renovations to Clem Macrone Park

### Value Engineering - PROJECT BUDGET SUMMARY

Low Bidders Project Total			
Site (Twining)	1,601,167.00		
Plumbing (No bid)	46,500.00		(no bids received) cost provided by sub of Twining Const.
Electrical (Lenni)	94,554.00		
General (L.J. Paoletta)	383,678.00	2,125,899.00	
Contingency	60,000.00		
<b>Low Bid Project Total</b>	<b>2,185,899.00</b>		
<b>Project Budget</b>	<b>1,843,246.00</b>		
<b>Delta</b>	<b>342,653.00</b>		

Value Engineering Options & Costs		DEDUCT VALUE (refer to attached supporting backup)
<b>ELECTRICAL CONTRACTOR</b>		
Change Switchgear Panel Manuf.		1,530.00
Substitute Lighting Fixture Manufacturer		1,300.00
subtotal		2,830.00
<b>SITE CONTRACTOR</b>		
Landscape - Plugs (remove 2400 plugs - 5000 remain)		7,000.00
Landscape - Bulbs (remove 3,495 bulbs - removal of all)		2,420.00
Landscape - Shrubs (remove 80 shrubs - 125 remain)		1,640.00
Landscape - Trees (#15, remove 7 trees- 53 remain)		1,092.00
Landscape - Trees (2-2.5", remove 13 trees - 16 remain)		4,220.00
Bid Reduction by Contractor		15,130.00
Walls - Remove all retaining/freestanding stone walls (provide limited grading in lieu of)		43,742.00
Basketball - Resurface existing court rather than replace subgrade, etc.		13,000.00
Substitute decorative fence around playground with split rail and black mesh		28,170.00
Eliminate Porous Paving at Parking Lot - mill and repave existing only		50,433.60
* Township Purchases Playground Equipment for contractor installation		21,157.00
subtotal		188,004.60
<b>GENERAL CONTRACTOR</b>		
Bid Reduction by Contractor		7,625.00
Eliminate stone veneer on comfort station (provide hardi-cement in lieu of)		14,000.00
subtotal		21,625.00
<b>DCNR</b>		
Additional grant funding pending award October 17th		40,000.00
subtotal		40,000.00
<b>Subtotal VE Options</b>		<b>252,459.60</b>
<b>Delta</b>		<b>90,193.40</b>

#### NOTES:

Only the items listed above are modified. All other scope shall remain as outlined in the bid documents.

#### FOOTNOTE:

\* This savings represents Twp. purchasing playground equipment off state contract (\$190,361.00) & providing to contractor for installation