



MEMORANDUM

From the Office of the
Township Manager

TO: BOARD OF SUPERVISORS
FROM: CHRISTOPHER BASHORE
RE: MAINTENANCE AND UPGRADES TO THE SHOOTING RANGE FOR THE WEST
GOSHEN TOWNSHIP POLICE DEPARTMENT
DATE: MAY 2, 2023

Before the Board of Supervisors this evening is discussion regarding maintenance and upgrades to the shooting range for the West Goshen Township Police Department. Recently, it has been brought to our attention that the shooting range is need of repair due a variety of noted safety issues. Dave Woodward, Public Works Director, and Mark Bertolami, Streets Superintendent, prepared information outlining the potential costs for the work that would be needed. Please see the attached spreadsheet, which outlines an estimated cost of \$29,711.62. This information has been reviewed with Chief Carroll. Please be advised that the costs are not definitive and may change prior to work commencing.

In order to ensure that the proposed improvements are the best course of action, we asked Carroll Engineering Corporation to evaluate the information and the plan for the range. Unfortunately, the structural engineer in their office was away until May 1, 2023. As such, we are still awaiting the results of their review, which may also change the cost depending on the recommended quantities for the project.

In regards to the estimated cost, the Township's 2023 budget allocated \$23,000 in line-item 01410-30373 which could be utilized; however, this includes costs towards ammunition. As such, this cost would need to be authorized by the Board.

Please let me know if you have questions. Thank you.

Shooting Range Repairs

Lumber Material	Length	Cost	Quantity/ Bay	Number of Bays	Total Quantity	Total Cost
2"X6" Rear Face	12'	\$ 11.98	8	27	216	\$ 2,587.68
2"X4" Rear Face	12'	\$ 8.78	1	27	27	\$ 237.06
2"X6"Vert. Stiffner	12'	\$ 11.98	2	27	54	\$ 646.92
1"X12" PVC Trim Cap	12'	\$ 64.20	1	27	27	\$ 1,733.40
2"X6" Lumber for possible repair to remaining structure	12'	\$ 11.98	Unknown until we open the structure up and get into the repairs			?
Misc Hardware						\$ 500.00
Total						\$ 5,705.06

Stone Infill Material	Cost Per Ton	Tons Per Row	Number of Rows	Total Tonnage	Total Cost
2B 3/4" Stone	\$ 30.00	26	3	78	\$ 2,340.00

Fasteners	Length	Cost	Quantity/ Bay	Number of Bays	Total Quantity	Number of Boxes	Total Cost
TimberLok Screws Box of 50 Screws	4"	\$ 36.98	36	27	972	20	\$ 739.60
3/4" All Thread*	8' length to be cut to 15"	\$ 94.21			54	54	\$ 5,087.34
Washers	3/4"	\$ 20.19			675	27	\$ 545.13
Lock Washers	3/4"	\$ 23.34			675	27	\$ 630.18
Nuts	3/4"	\$ 15.52			670	67	\$ 1,039.84
Wood Screws Box of 70	3"	\$ 11.98				3	\$ 35.94
Fastener Total							\$ 8,078.03

* estimated seven week delivery time

Restoration

Topsoil	25 Yards of screened topsoil	\$30.50 Per yard	\$762.50
Grass Seed	2 Bags of Landscapers Mix	\$126.15 per bag	\$252.30
Straw	10 bales of compressed straw for cover	\$16.54 per bale	\$165.40
Restoration Total			\$ 1,180.20

Equipment Rental Per Week Three Weeks

Manlift	\$ 1,425.00	\$ 4,275.00
Full Size Excavator	\$ 2,650.33	\$ 7,951.00
1 Yard Concrete Bucket	\$ 325.00	\$ 975.00
Track Skid Steer	\$ 1,631.67	\$ 4,895.00
Rockhound Attachment	\$ 263.00	\$ 789.00
Rental Total	\$ 12,408.33	

Estimated Project Total Cost \$ 29,711.62

All costs shown above are not locked in and may change prior to any work starting.