

Millis High School
 Artificial Turf Field and Track, Baseball, Softball and Parking
 PRELIMINARY ORDER OF MAGNITUDE OPINION OF PROBABLE COST

Cost Estimate Summary

ITEM	TOTAL
Track and Field Site Preparation and Removals	\$114,800.00
Artificial Turf Field and Drainage System	\$785,000.00
Track and Field Pavement, Surfacing and Appurtenances	\$351,500.00
Site Fencing	\$57,600.00
Field Lighting and Electrical	\$400,000.00
Score Board	\$26,500.00
Bleachers and appurtenances	\$425,000.00
Pathways & Miscellaneous other Work	\$68,300.00
Rest Room Facility	\$300,000.00
Softball Field	\$141,900.00
Parking Lot "A" (High School) (Paved)	\$87,300.00
Baseball Field	\$269,000.00
Parking Lot "B" (Baseball Field) Gravel	\$72,600.00
Tennis and Basketball Courts	\$606,400.00
Parking Lot "C" (Park Street) Gravel	\$48,400.00
Parking Lot "F" (Monroe Street) Gravel	\$36,500.00
Parking Lot "G" HS-Tennis Courts-Small incl new drive	\$89,900.00
Parking Lot "H" HS-Tennis Courts-Large incl retaining wall	\$88,600.00
Subtotal Direct Costs	\$3,969,000.00
Div 01-Gen. Cond., Bonds, Mobilization and General Cont. OHP- (8%, rounded)	\$318,000.00
Subtotal Construction Cost without contingency	\$4,287,000.00
Design Costs	\$200,000.00
Construction Administration	\$93,000.00
Resident Engineering	\$158,400.00
Project Contingency (without turf) (25%, rounded)	\$989,000.00
Total Project Budget without contingency (rounded)	\$4,740,000.00
Total Project Budget with contingency (rounded)	\$5,730,000.00

Cost Estimate Notes

1. Cost estimate has been developed based on latest 25% design plans dated October 2014.
2. Resident Engineering costs assume all construction contracts will be performed separately with a construction duration for High School improvements completed in 176 days or 8 months. This costs also assumes full-time inspection but the Town can elect part-time inspection.

High School and Town Park Improvements

Artificial Turf Field and Track, Baseball, Softball and Parking
Preliminary Order of Magnitude Opinion of Probable Cost

ITEM	TOTAL
Track and Field Site Preparation and Removals	\$114,800.00
Artificial Turf Field and Drainage System	\$785,000.00
Track and Field Pavement, Surfacing and Appurtenances	\$351,500.00
Site Fencing	\$57,600.00
Field Lighting and Electrical	\$400,000.00
Score Board	\$26,500.00
Bleachers and Appurtenances	\$425,000.00
Pathways and Miscellaneous Other Work	\$68,300.00
Rest Room Facility	\$300,000.00
Softball Field	\$141,900.00
Parking Lot "A" (High School) (Paved)	\$87,300.00
Baseball Field	\$269,000.00
Parking Lot "B" (Baseball Field) Gravel	\$72,600.00
Tennis and Basketball Courts	\$312,900.00
Parking Lot "C" (Park Street) Gravel	\$48,400.00
Parking Lot "F" (Monroe Street) Gravel	\$31,500.00
Subtotal Direct Costs	\$3,492,300.00
Div 01-Gen. Cond., Bonds, Mobilization and General Cont. OHP- (8%, rounded)	\$279,400.00
Subtotal Construction Cost without contingency	\$3,771,700.00
Design Costs	\$200,000.00
Construction Administration	\$93,000.00
Resident Engineering	\$158,400.00
Project Contingency (without turf) (25%, rounded)	\$860,000.00
Total Project Budget including Engineering and without contingency (rounded)	\$4,223,000.00
Total Project Budget including Engineering and with contingency (rounded)	\$5,083,000.00

Cost Estimate Notes

1. Cost estimate has been developed based on latest 25% design plans dated August 2014.
2. Pricing does not account for potential cost savings or cost increases for related earthwork costs for moving materials between sites, assuming all sites are constructed as one project.
3. This estimate assumes existing subsoils will be suitable for fill materials or grade adjustment in all field areas as required. Confirmation of the assumption pending results of the geotechnical program and as noted above in # 2.
4. Resident Engineering costs assume all construction contracts will be performed separately with a construction duration for High School improvements completed in 176 days or 8 months. This costs also assumes full-time inspection but the Town can elect part-time inspection.

Clyde Brown School

Artificial Turf Field

PRELIMINARY ORDER OF MAGNITUDE OPINION OF PROBABLE COST

Cost Estimate Summary

ITEM	TOTAL
Site Preparation and removals	\$26,000.00
Artificial Turf Field and Drainage System	\$633,000.00
Site Fencing	\$22,200.00
Field Lighting and electrical	\$300,000.00
Score Board	\$26,500.00
Subtotal Direct Costs	\$1,007,700.00
Div 01-Gen. Cond., Bonds, Mobilization and General Cont OHP- (8%, rounded)	\$81,000.00
Subtotal Construction Cost without contingency	\$1,088,700.00
Design Costs	\$60,000.00
Construction Administration	\$33,000.00
Resident Engineering	\$79,200.00
Project Contingency (without turf) (25%, rounded)	\$208,000.00
Total Project Budget without contingency (rounded)	\$1,261,000.00
Total Project Budget with contingency (rounded)	\$1,469,000.00

Cost Estimate Notes

1. Cost estimate has been developed based on latest 25% design plans dated October 2014.
2. Resident Engineering costs assume all construction contracts will be performed separately with a construction duration for Clyde Brown improvements completed in 88 days or 4 months. This costs also assumes full-time inspection but the Town can elect part-time inspection.

Town of Millis, Massachusetts

Oak Grove Natural Turf Soccer Field
PRELIMINARY ORDER OF MAGNITUDE OPINION OF PROBABLE COST

Cost Estimate Summary

ITEM	TOTAL
Site Preparation and Removals	\$50,500.00
Natural Turf Field and Drainage System	\$264,000.00
Site Fencing	\$5,000.00
Parking Lot "D" (at Site/ off Exchange Street) (Gravel)	\$30,600.00
Parking Lot "E" (off Island Road) (Gravel)	\$35,500.00
Subtotal Direct Costs	\$386,000.00
Div 01-Gen. Cond., Bonds, Mobilization and General Contractors OHP- (8%, rounded)	\$31,000.00
Subtotal Construction Cost without contingency	\$417,000.00
Design Costs	\$60,000.00
Construction Administration	\$13,000.00
Resident Engineering	\$79,200.00
Project Contingency (25%, rounded)	\$104,000.00
Total Project Budget without contingency (rounded)	\$570,000.00
Total Project Budget with contingency (rounded)	\$670,000.00

Cost Estimate Notes

1. Cost estimate has been developed based on latest 25% design plans dated October 2014.
2. Resident Engineering costs assume all construction contracts will be performed separately with a construction duration for Oak Grove improvements completed in 88 days or 4 months. This costs also assumes full-time inspection but the Town can elect part-time inspection.

**Town of Millis, Massachusetts
Athletic Field Preliminary Design Project
Preliminary Order of Magnitude Opinion of Probable Cost
October 2, 2014**

Project Description	Project Costs without Contingencies	Project Costs with Contingencies
High School and Town Park Improvements	\$4,223,000	\$5,083,000
Clyde Brown School Recreation Synthetic Turf Soccer Field	\$1,261,000	\$1,469,000
Oak Grove Farm Natural Turf Soccer Field	\$570,000	\$670,000
Totals:	\$6,054,000	\$7,222,000
Revised High School and Town Park Improvements with Access Road and Parking	\$4,740,000	\$5,730,000
Clyde Brown School Recreation Synthetic Turf Soccer Field	\$1,261,000	\$1,469,000
Oak Grove Farm Natural Turf Soccer Field	\$570,000	\$670,000
Totals:	\$6,571,000	\$7,869,000
Cost Differential with School Access Road and Parking:	\$517,000	\$647,000

Notes:

1. Cost estimate has been developed based on latest 25% design plans dated October 2014.

2. Resident Engineering costs assume all construction contracts will be performed separately with a construction durations for the High School/Town Park, Clyde Brown Recreation Field and Oak Grove improvements completed in 8, 4 and 4 months, respectively. These engineering costs also assumes full-time inspection but the Town can elect part-time inspection.