



Scotia-Glenville CSD

Athletic Field Master Plan

March, 2017



Introduction

- The Scotia-Glenville Central School District requested a strategic plan that would improve the quality and availability of athletic fields within the District.
- In the fall of 2016 Chazen Companies performed a field inventory and evaluation of existing athletic fields in the District.
- The evaluation ranged from open space recreation areas used for recess and physical education classes to existing athletic fields used for both practices and games.
- The resulting inventory gathered and characterized conditions of existing fields, and evaluated the opportunities for potential new fields, improvement of current fields, and maintenance and future needs.
- After reviewing the results, the following prioritization of field renovations and upgrades was created.



Priority I

Main Field (Field 1 & 1B)

Current Utilization

- All Varsity, JV Modified Interscholastic Football games
- Limited Varsity Football Practice
- Band Practice
- Limited Field Hockey: Varsity (1 contest, 1 practice)
- Limited Lacrosse: Varsity Boys and Girls Interscholastic Contests
- Limited Boys Varsity Lacrosse Practice
- Limited Soccer: Varsity Girls (1 contest, 1 practice)
- Limited Youth Association Sports



Main Field with Synthetic Turf

Priority Recommendation - Cost \$900,000

Benefits/Justification for Synthetic Turf

- Increased Playability
 - Increase in usage of 62% in comparison to natural turf
 - More interscholastic sports can use for practice and contests
 - Fall and spring outdoor use for Physical Education classes can be extended
- Increased Durability
 - Fields open for full length of season
 - Eliminates divots, bare wear spots, and uneven terrain related to field use
 - Allows for resting and restoration of other fields
 - Longer life span (8-10 years, natural turf needs major overhaul every 10 years)

Main Field with Synthetic Turf Continued

- Improved Drainage
 - Field is used during most rain events
 - Superior ability to drain water compared to natural turf
- Storm Water Management
 - Reduces peak storm-water flow into existing natural storm water system causing less erosion to existing natural waterway
 - Reduces phosphorous runoff to nearby streams and tributaries since synthetic field acts as a filter capturing contaminants
 - Avoids uses of fertilizer and other chemicals that enter storm water system
 - Eliminates the need for irrigation systems
- Lower Maintenance Costs
 - No mowing, fertilizing, reseeding, or irrigation
 - Cost includes grooming and debris removal
 - Reduced annual maintenance cost (synthetic turf \$18,700, natural turf \$23,500)

Main Field With Natural Turf

Priority Recommendations:

- Irrigation System (\$25,000)
- Re-grade & Crown Field, add soil and sod (\$90,000)
- Clean out drainage and repair storm drain system (\$20,000)

■ **Total cost: \$135,000**

Additional Recommendations:

- Patch repair perimeter fence (\$25,000)
- Install new scoreboard (\$50,000)
- New concrete ADA walkway (\$20,000)
- Additional set of visitor bleachers (\$15,000)
- Irrigation for practice field (\$12,000)
- Amend soil and seed practice field (\$25,000)

■ **Total additional cost: \$147,000**

■ **Total cost for combined base and additional recommendations: \$282,000**

Increased Field Utilization

	Natural Turf	Synthetic Turf
Football (Varsity and JV)	10 Games, limited practice	10 Games (4 V, 6 JV), All practices (48 V, 40 JV)
Football (Modified)	6 Games, No Practices	6 Games, 12 practices
Band	Limited practices, 4 halftime performances	10 Practices, 4 halftime performances
Field Hockey (Varsity, JV, modified contests)	1 Varsity Game, 1 Practice	6 Games, Additional practices (30 V, 5 JV)
Lacrosse (Varsity, JV, modified contests)	Boys- Varsity 5 Games, 10-15 Practices Girls – Varsity 1 Game, 2 Practices	Boys - 14 Games (8 V, 6JV), practices (42 V, 25 JV) Girls – 7 Games (6 V, 1 JV), practices (25 V, 10 JV)
Soccer (Varsity, JV)	Girls- Varsity 1 Game, 2 Practices	Girls – 4 Games (3 V, 1 JV), practices (10 V, 5 JV) Boys – 3 Games (2 V, 1 JV), practices (10 V, 5 JV)
Youth Association	2- Football Games	20+ Games (Football, soccer, field hockey, youth lacrosse)
Physical Education Class	None	90+ Days

Priority II

Field Hockey and Lacrosse Field

(Field 2)

Priority Recommendations:

- Re-grade, amend soil and sod (\$135,000)
- Installation of irrigation system (\$35,000)


■ **Total Cost: \$185,000**

Additional Recommendations:

- 4' fence along parking lot for controlled access (\$25,000)
- 6' fence along residential boundary for ball stop protection (\$15,000)
- 40 capacity bleachers (\$10,000)
- Portable scoreboard (\$4,000)

■ **Total Additional Cost: \$54,000**

■ **Total cost for combined base and additional recommendations: \$239,000**



Priority III
Varsity Softball Field (Field 4A)

Priority Recommendation:

- Install irrigation system (\$12,000)
- Amend beam-clay infield (\$10,000)
- Re-grade, add soil amendments and sod outfield (\$30,000)


■ **Total Cost: \$52,000**

Additional Recommendations:

- 4' Chain link perimeter fence (\$6,000)
- New backstop (\$20,000)

■ **Total additional cost: \$26,000**

■ **Total cost for combined base and additional recommendations: \$78,000**



Priority IV
Varsity Baseball and Soccer Field (Field 3A)

Priority Recommendations:

- Install irrigation system (\$35,000)
- Re-grade and amend soil (\$150,000)

■ **Total cost: \$185,000**

Alternative Recommendation: Relocate and Reorient Baseball Field

- New backstop (\$20,000)
- New dugouts (\$25,000)
- Beam clay infield and pitcher's mound (\$50,000)
- Ball stop netting (\$25,000)
- Earthwork & grading at home plate (\$20,000)

■ **Total Cost \$140,000**


Additional Recommendations:

- Portable bleachers (\$6,000)
- Walkway from MS to HS (\$50,000)

■ **Total additional cost: \$56,000**

Total cost for priority and additional recommendation: \$241,000

Total cost for priority, alternate and additional recommendation: \$381,000



Priority V
Baseball, Modified Soccer, JV Softball Field
(Field 4B)

Priority Recommendations:

- Lower infields (\$10,000)
- Raise outfield grade with imported fill (\$40,000)
- Install irrigation system (\$45,000)
- Beam clay infield (\$35,000)
- Amend soil and sod (\$90,000)

➤ **Total Cost: \$220,000**

Alternate Recommendation: Relocate and Reorient Baseball Field


- New backstop (\$20,000)
- New dugouts (\$25,000)
- Beam clay infield, pitcher's mound (\$15,000)
- Install irrigation system (\$15,000)
- New JV softball dugouts (\$25,000)
- New 4' fence at Preddice Parkway (\$10,000)

➤ **Total Cost: \$110,000**

Additional General Recommendation:
Bleachers (\$15,000)

Total cost for combined base and additional recommendations: \$235,000

Total cost for priority, alternate and additional recommendations: \$345,000



Priority VI
Practice Football Field
(Field 3B)

Priority Recommendations:

- Install irrigation system (\$20,000)
- Re-grade, amend soil and seed (\$45,000)


➤ **Total Cost: \$65,000**

Additional Recommendations:

- Replace football goal post (\$10,000)

➤ **Total additional cost: \$10,000**

Total cost for combined base and additional recommendations: \$75,000



Priority VII

Lincoln Elementary School Field

(Field 6, Non-varsity Lacrosse)

Priority Recommendations:

- Replace turf with soil and amendments, sod (\$80,000)
- Irrigation installation (\$12,000)


■ **Total Cost: \$92,000**

Alternate Recommendations:

- Tree planting along Albermarle/ Meriline Roads (\$12,000)
- Re-design parking lot layout, construct barrier (\$150,000)

■ **Total additional cost: \$162,000**

Total cost for combined base and additional recommendations: \$254,000



Priority VIII

Sacandaga Elementary School Field

(Field 5, Practice Field)

Priority Recommendations:

- Replace turf with soil and amendments, sod (\$60,000)
- Irrigation system – mobile water reel irrigator (\$10,000)

■ **Total Cost: \$70,000**

Additional Recommendations:

- Perimeter fence along Wren Street (\$15,000)
- Remove and relocate MS boundary fence (\$5,000)

■ **Total additional cost: \$20,000**

Total cost for combined base and additional recommendations: \$90,000

Priority Renovations (Synthetic Turf)

Priority	Field	Amount
1	Main Field - 1A (synthetic turf)	\$900,000
2	Field 2 (field hockey, lacrosse)	\$185,000
3	Field 4A (varsity softball)	\$52,000
4	Field 3A (varsity baseball and soccer)	\$185,000
5	Field 4B (JV baseball, modified soccer, JV softball)	\$220,000
6	Field 3B (Practice football, Lincoln ES, lacrosse)	\$65,000
7	Field 6 (non-varsity)	\$92,000
8	Field 5 (Sacandaga ES, practice field)	\$70,000
Total Priority Renovations to Fields		\$1,769,000

Priority Renovations (Natural Turf)

Priority	Field	Amount
1	Main Field - 1A	\$135,000
2	Field 2 (field hockey, lacrosse)	\$185,000
3	Field 4A (varsity softball)	\$52,000
4	Field 3A (varsity baseball and soccer)	\$185,000
5	Field 4B (JV baseball, modified soccer, JV softball)	\$220,000
6	Field 3B (Practice football, Lincoln ES, lacrosse)	\$65,000
7	Field 6 (non-varsity)	\$92,000
8	Field 5 (Sacandaga ES, practice field)	\$70,000
Total Priority Renovations to Fields		\$1,004,000

Additional Renovations

Priority	Field	Amount
1	Main Field - 1A	\$147,000
2	Field 2 (field hockey, lacrosse)	\$54,000
3	Field 4A (varsity softball)	\$26,000
4	Field 3A (varsity baseball and soccer)	\$15,000
5	Field 4B (JV baseball, modified soccer, JV softball)	\$56,000
6	Field 3B (practice football, Lincoln ES, lacrosse)	\$10,000
7	Field 6 (non-varsity)	\$162,000
8	Field 5 (Sacandaga ES, practice field)	\$20,000
Total Priority Renovations to Fields		\$490,000

Alternative Recommendations (Relocation and Reorientation)

Priority		Cost
4	Field 3A (varsity baseball and soccer)	\$140,000
5	Field 4B (JV baseball, modified soccer, JV softball)	\$110,000
Total Alternative Recommendations		\$250,000



Total Renovation and Upgrade Cost

Plan	Cost
Priority – Synthetic Turf	Total Cost: \$1,769,000
Priority – Natural Turf	Total Cost: \$1,494,000
Including Additional Recommendations	\$490,000
Synthetic	Total Cost: \$2,259,000
Natural Turf	Total Cost: \$1,984,000
Including Alternative Recommendations	\$250,000
Synthetic	Total Cost: \$2,509,000
Natural	Total Cost: \$2,234,000