

# MEETING DATE: May 18, 2021

**AGENDA ITEM:** Turf Conversions and Replacements for Aledo High School and Daniel Ninth Grade Campus Fields

**PRESENTER:** Earl Husfeld, Chief Financial Officer, Tyler Boswell, Director of Construction and Facilities, and Steve Wood, Athletic Director

# **BACKGROUND INFORMATION:**

- Per Board Policy CH (Local), any single, budgeted purchase of goods or services that costs \$50,000 or more, regardless of whether the goods or services are competitively purchased, shall require Board approval before a transaction may take place.
- Each year the District has the synthetic turf athletic fields inspected by a third-party to monitor the field safety and performance and determine the need for additional maintenance. These annual inspections also help provide the District with data for consideration of planning life-cycle replacements.
- Attached are the summary inspection reports (G-Max Reports) for the 2021 and 2020 years. The year of installation for each field is also included on the 2020 report.
- The American Society for Testing and Materials (ASTM) recommends an average G-Max rating limit of 200. The Synthetic Turf Council (STC) recommends a G-Max rating limit of 165. As you can see on the 2021 G-Max Reports, areas tested on the Bearcat Stadium Field and Freshman Field are approaching, or above, these recommended levels.
- At various times during the past several years, the topic of replacing the natural grass baseball and softball fields with synthetic turf has been discussed due to the limitations of grass fields.
- Concerns about student safety given the age and G-Max ratings of the existing synthetic fields at Aledo High School and Daniel Ninth Grade Campus and for discussion of the conversion of the baseball and softball fields to turf, the District approached Paragon Sports Group to provide cost estimates and a timeline for the replacement/conversion of these fields.

# FISCAL INFORMATION:

Depending on final alternatives selected, total cost between \$3,159,106.00 and \$3,227,996.00.



# **ATTACHMENTS:**

Champion Track and Turf Repair G-Max Reports for 2021, Paragon Sports Group Field Maintenance Summary Report for 2020, Paragon Sports Group Proposals for Turf and Track Surface Replacement for Bearcat Stadium, Turf Replacement at Aledo Ninth Grade Campus, and Proposal for Aledo High School Baseball and Softball Fields Turf Conversions, and Paragon Sports Group Timeline for Turf Replacements and Conversions

# ADMINISTRATIVE RECOMMENDATION:

None – Informational Report



			G-Max	Report				
istrict:		Aledo ISD		School:		Aled	lo Bearcat S	Stadium
ate:		10-May-21		Tested by:			Tim Daugh	trey
			G-Max A	verage				
ESTING	DATA		167	7.8				
est #1	172		_					
est #2	174		- G	3	#1	172		
est #3	169		- 20	)	#2	174		
est #4	180		-28	#7 	152	#9	156	
est #5	172		_ <b>_</b> 40	)	#3	169		Ŧ
st #6	182		Visitors40	)	#4	180		Home
st #7	152		- 28	#8	160	#10	161	
st #8	160		- 20	)	#5	172		
st #9	156		- G	3	#6	182		
est #10	161							
	X	Your G-Max av (American Soc The approved Your G-Max av (American Soc The approved	iety of Testir standard is erage does I iety of Test	ng and Meas 200 or less. NOT meet th ing and Mea	suremen <sup>.</sup> ne ASTM			

Testing Approved by:

Daughtrey

Tim



			G-Max	Report						
strict:		Aledo ISD		School:		Ale	do Freshma	an Field		
te:		11-May-21		Tested by:		Tim Daughtrey				
			G-Max A	verage						
STING	DATA		194	.9						
t #1	195									
t #2	183		— G		#1	195				
: #3	195		- 20	)	#2	183				
t #4	222		- 25	#7	183	#9	191			
t #5	206		< -40	]	#3	195				
#6	213		Visitors - 40		#4	222		Home		
#7	183		-25	#8	181	#10	180			
#8	181		-20	]	#5	206				
#9	191		- G	I	#6	213				
: #10	180									
	<u>x</u>	Your G-Max av (American Soci The approved Your G-Max av (American Soc The approved	iety of Testir standard is 2 erage does I iety of Test	ng and Mea 200 or less. NOT meet t ing and Mea	suremen he ASTM asureme					

Testing Approved by:

Daughtrey

Tim

# **Field Maintenance Summary**

OWNER: ALEDO ISD

CONTACT: STEVE WOOD, ATHLETIC DIRECTOR

PO: 005914

SITE	YEAR INSTALLED	GMAX AVERAGE June 1, 2020	VERTICAL DEFORMATION AVERAGE		
ALEDO MIDDLE SCHOOL	2012	151	6.7 mm		
9TH GRADE CENTER	2010	172	7.3 mm		
AHS INDOOR PRACTICE FACILITY	2011	140	9.1 mm		
BEARCAT STADIUM	2011	166	6.6 mm		

**GMAX**: Impact attenuation or "shock absorbency" of field for blunt impacts. ASTM limit 200g's, STC limit 165 g's. **VERTICAL DEFORMATION**: Depth of surface change under running load.





Date:	5/5/2021
To:	Aledo ISD
Project:	Turf and Track Surface Replacement Bearcat Stadium and Track Surface Repair and Respray Aledo MS
Plans and	

Specs: none

#### SCOPE OF WORK

#### Bearcat Stadium

- 1. PSC will remove and dispose of existing track surface
- 2. PSC will remove and dispose of existing synthetic turf surface
- 3. PSC will remove and replace existing goal posts
- 4. PSC will regrade existing stone base

PSC will provide and install new Shaw Legion NXT 2.00 synthetic turf with new Shaw NXT Pad. All

5. football and soccer markings inlaid and endzone lettering and center field logo to match existing from Shaw standard colors

PSC will provide and install new PTS 2000 Grey structure spray track surface over entire existing

6. track and field events surfacing base

7. PSC will stripe track for 400 meters

Base Bid:

#### \$785,120.00

#### Alternates

1. PSC will provide and install new PTS 4000 Grey sandwich track surface over entire existing track and field events surfacing base, in lieu of PTS 2000

#### Add to

Base Bid:

#### \$167,674.00

# Pricing Includes Payment and Performance Bonds and Purchasing Co-operative (Buy Board) Fees



#### CONDITIONS & QUALIFICATIONS

- 1. This proposal assumes PSC shall have clear and reasonable access to the work for equipment and materials
- 2. This proposal assumes PSC shall have uninterrupted access to the work area and will not be required to mobilize and re-mobilze
- 3. This proposal assumes 'PSC standard wage rate for labor (Davis-Bacon or their Governmental wage scales are not included in the pricing above)
- 4. Due to continuing fluctuations in the cost of materials beyond our control, PSC reserves the right to verify material pricing prior to execution of a contract, if a contract is not awarded within 60 days of the date of this proposal
- 5. Unless specifically stated otherwise, this proposal assumes that all construction testing and third party inspection will be contracted and paid for by the owner or general contractor. PSC will coordinate inspections and make all work available for testing, PSC can provide a seperate proposal for this work if desired

#### INSURANCE POLICY COVERAGE'S

Workers Comp.-bodily injury: Workers Comp.-disease : General liability-general aggregate: General liability-pers./advert.injury: General liability-each occurrence: Additional excess umbrella

Ullec

\$ 1,000,000 ea. accident
\$ 1,000,000 policy limit
\$ 2,000,000 policy limit
\$ 1,000,000 policy limit
\$ 1,000,000 policy limit
\$ 5,000,000 policy limit

William Chaffe, President



Date:5/5/2021To:Aledo ISDProject:Turf Replacement Aledo Ninth Grade CenterPlans and<br/>Specs:none

#### SCOPE OF WORK

#### Aledo Ninth Grade Center

- 1. PSC will remove and dispose of existing synthetic turf surface
- 2. PSC will regrade existing stone base
- 3. PSC will provide and install new Shaw Legion Pro 2.25 synthetic turf. All football and soccer markings inlaid

#### Base Bid:

#### \$503,784.00

#### Alternates

1.

- PSC will provide and install new Shaw Legion Pro 2.00 synthetic turf with new Shaw NXT Pad in lieu of Legion Pro 2.25. All football and soccer markings inlaid
- Add to Base Bid:

\$68,890.00

# Pricing Includes Payment and Performance Bonds and Purchasing Cooperative (Buy Board) Fees



#### **EXCLUSIONS**

- 1. Sales Taxes
- 2. Liquidated Damages
- 3. Repair or installation of existing or new irrigation systems
- 4. New utilities or water lines, except as specifically shown in scope, plans or specs
- 5. Any Chain link fencing, except as specifically shown in scope, plans or specs
- 6. Rock Excavation (none expected)
- 7. Bleachers
- 8. Lighting
- 9. Seeding or sodding of disturbed areas
- 10. Any Water and Electric to be supplied by owner
- 11. No replacement of any field event equipment (ie. take off boards or pole vault boxes)



#### CONDITIONS & QUALIFICATIONS

- 1. This proposal assumes PSC shall have clear and reasonable access to the work for equipment and materials
- 2. This proposal assumes PSC shall have uninterrupted access to the work area and will not be required to mobilize and re-mobilze
- **3.** This proposal assumes PSC standard wage rate for labor (Davis-Bacon or their Governmental wage scales are not included in the pricing above)
- 4. Due to continuing fluctuations in the cost of materials beyond our control, PSC reserves the right to verify material pricing prior to execution of a contract, if a contract is not awarded within 60 days of the date of this proposal
- 5. Unless specifically stated otherwise, this proposal assumes that all construction testing and third party inspection will be contracted and paid for by the owner or general contractor. PSC will coordinate inspections and make all work available for testing, PSC can provide a seperate proposal for this work if desired

#### INSURANCE POLICY COVERAGE'S

Workers Comp.-bodily injury: Workers Comp.-disease : General liability-general aggregate: General liability-pers./advert.injury: General liability-each occurrence: Additional excess umbrella

- \$ 1,000,000 ea. accident
- \$ 1,000,000 policy limit
- \$ 2,000,000 policy limit
- \$ 1,000,000 policy limit
- \$ 1,000,000 policy limit
- \$ 5,000,000 policy limit

Signed:

William Chaffe, President



<u>Scope of Work</u> Project: Aledo ISD Baseball & Softball Fields May 5, 2021

# PURCHASING COOPERATIVE PROPOSAL

#### **GENERAL CONDITIONS**

- 1. PSC will provide insurance as per coverages below.
- 2. PSC will provide SWPPP and erosion control measures as required.
- 3. PSC will provide an on-site storage container and portable toilets as required.
- 4. PSC will provide project schedule updated no less than monthly during the project.
- 5. PSC will conduct onsite safety meetings as part of its corporate safety program.
- 6. PSC will conduct construction progress meetings no less than monthly during the project.
- 7. PSC will provide drainage design by licensed landscape architect or engineer.

#### SYNTHETIC TURF BASEBALL FIELD

- 8. Excavate subgrade to new elevations and compact to proper density and moisture. Remove excess spoils off site. No subgrade stabilization included.
- 9. Remove existing outfield fence to accommodate new outfield dimension.
- 10. Install a 12"x12" concrete perimeter turf curb and bullpen curbs.
- 11. Install 2x4 treated wood turf attachment nailer along new concrete curbs.
- 12. Install synthetic turf collector drainage system HDPE N-12 perforated pipe in trenches lined with 20 mil PVC liner and backfilled with washed #57 drain stone.
- 13. Connect collector system within 40' of fields into existing storm sewer.
- 14. Install 20 mil PVC liner over entire field sub-grade in preparation for drain stone installation.
- 15. Install 6" washed drain stone layer directly over sub-grade and fine grade with laser guided equipment to achieve finished elevations per synthetic turf design.
- 16. Install **SHAW LEGION PRO 2" AND TRUHOP 1.75"** synthetic turf on field, bullpens, and batting cage.
- 17. Install sand and rubber infill on all fields to proper levels per **SHAW** turf specifications.
- 18. Install standard field markings.
- 19. Provide SMG TURF CARE 1400 tow behind turf maintenance equipment.
- 20. Provide owner maintenance training for the **SHAW** synthetic turf system.
- 21. Install 1 set of bases, 5 home plates, and 5 pitching rubbers.
- 22. Relocate existing foul poles.
- 23. Install new 8' high metal panel fencing in outfield with 20' high batters eye panel fencing.
- 24. Relocate left fence to accommodate new field layout.
- 25. Revegetate disturbed areas.
- 26. Payment and performance bond fees included.





#### SYNTHETIC TURF SOFTBALL FIELD

- 27. Excavate subgrade to new elevations and compact to proper density and moisture. Remove excess spoils off site. No subgrade stabilization included.
- 28. Install a 12"x12" concrete perimeter and bullpen curbs.
- 29. Install 2x4 treated wood turf attachment nailer along existing and new concrete curbs.
- 30. Install synthetic turf collector drainage system HDPE N-12 perforated pipe in trenches lined with 20 mil PVC liner and backfilled with washed #57 drain stone.
- 31. Connect collector system within 180' of field into existing storm sewer.
- 32. Install 20 mil PVC liner over entire field sub-grade in preparation for drain stone installation.
- 33. Install 6" washed drain stone layer directly over sub-grade and fine grade with laser guided equipment to achieve finished elevations per synthetic turf design.
- 34. Install **SHAW LEGION PRO 2" AND TRUHOP 1.75"** synthetic turf on field, one double bullpen, and batting cage.
- 35. Install sand and rubber infill on all fields to proper levels per SHAW turf specifications.
- 36. Install standard field markings.
- 37. Provide owner maintenance training for the **SHAW** synthetic turf system.
- 38. Install 1 set of bases, 5 home plates, and 5 pitching rubbers.
- 39. Relocate foul poles.
- 40. Revegetate disturbed areas.
- 41. Payment and performance bond fees included.

#### SYNTHETIC TURF BASEBALL & SOFTBALL FIELD PRICING

\$1,845,202.00

## ADD OPTION: LOGOS & LETTERS AT BALLFIELDS PRICING \$25,000.00

#### Exclusions

- 1. Sales Taxes
- 2. Liquidated Damages
- 3. Geotechnical report and fees
- 4. Subgrade stabilization
- 5. Select fill
- 6. Excavation other than listed above
- 7. Scoreboards
- 8. Concrete other than listed above
- 9. New irrigation systems
- 10. New utilities or water lines
- 11. Rock excavation
- 12. Bleachers
- 13. Lighting
- 14. Electrical and conduit
- 15. Permits





# Proposal Conditions & Qualifications

- 16. This proposal assumes PSC shall have clear and reasonable access to the work for equipment and materials.
- 17. This proposal assumes PSC shall have one mobilization for this project.
- 18. This proposal assumes PSC standard wage rate for labor (Davis-Bacon or their Governmental wage scales are not included in the pricing above).
- 19. Due to continuing fluctuations in the cost of materials beyond our control, PSC reserves the right to verify material pricing prior to execution of a contract if a contract is not awarded within 60 days of the date of this proposal.
- 20. Unless specifically stated otherwise, this proposal assumes that all construction testing and third party inspection will be contracted and paid for by the owner or general contractor. PSC will coordinate inspections and make all work available for testing; PSC can provide a separate proposal for this work if desired.

### Insurance Policy Coverage's

Workers Comp: Bodily Injury Workers Comp: Disease General Liability: General Aggregate General Liability: Personal/Advert. Injury General Liability: Each Occurrence Additional Excess Umbrella \$1,000,000 ea accident \$1,000,000 policy limit \$2,000,000 policy limit \$1,000,000 policy limit \$1,000,000 policy limit \$5,000,000 policy limit

Signed:

William Chaffe, President 5001 Saunders Road Fort Worth, Texas 76119 wchaffe@paragon-sports.com (817) 916-5000





# Aledo ISD Turf Replacements and Conversions Summer 2021

_	Task Name	Duration			rs Resource Names	M F T S W	S T M F	T S W S T M		23, 21 AUG 0, 21	W S T M	F T S W S			Oct 31, '21 Nov 14, '21 F T S W S T	METSWS	12, 21 Dec:
F	Aledo ISD Turf Conversions and Replacements	126 days	Mon 6/21/21	Mon 12/13/21			<u> </u>										
	Pre-Construction	23 davs	Mon 6/21/21	Wed 7/21/21						1	i i			- į			į.
																	1
	Board Approval	1 day	Mon 6/21/21	Mon 6/21/21	Contract Award & Pre		1	Contract Award & Pre	paration		I I		i.	l l	I I I I		
	Notice To proceed	0 days	Mon 6/21/21	Mon 6/21/21 3	Contract Execution		1	6/21				 	1	l I			
	Pre-Construction Meeting	1 day	Tue 6/22/21	Tue 6/22/21 4	Pre-Construction Me		1	Pre-Construction Me	etina				l l	1			1
	The constantion meeting	, duy	100 0/22/21	I GO GELET			1						i.	i.		i i	
1	Turf Order and Delivery	21 days	Wed 6/23/21	Wed 7/21/21 5	Turf Order and Delive			Ť	Turf	Order and Delivery				į.			
ł														i.			1
	Aledo ISD Bearcat Stadium	21 dave	Thu 7/22/21	Thu 8/19/21			1	l L				 		l l	I I I I		
	Aleuo ISD Bearcat Stautum	21 uays	1110 //22/21	110 0/19/21				1				 		l I			
	Mobilization	1 day	Thu 7/22/21	Thu 7/22/21 6	Mobilization		1		Mot	vilization			l l	l I			I.
+	Turf Install	12 days	Fri 7/23/21	Mon 8/9/21 9	Turf Install		1		. 🎽	Turf Inst	ai			l.			L L
_	Sand and Rubber Infill	2 daug	Tue 8/10/21	Thu: 9/12/21 10	Sand and Rubber Inf		i i		i i	Sand	and Rubber Infill			Ĵ.		i i	i i
	Gend and Rubber Inni	o udys	108 0/10/21	Thu 8/12/21 10	Sanu anu Rubber Int					Sand				l.			
	Substantial Completion	0 days	Thu 8/12/21	Thu 8/12/21 11	Substantial Completi			l l		★8/12			1	l I			
+							1				I I			l l			1
-	Aledo ISD 9th Grade Center	40 -1	Thu: 7/00/5	Thu 8/19/21			1					 		I.	I I I I		I.
	Aledo ISD 9th Grade Center	16 days	Thu //29/21	1 nu 8/19/21			1	l.					l.	l I			I.
	Mobilization	1 day	Thu 7/29/21	Thu 7/29/21 6	Mobilization					Mobilization				i.		i i	i i
+	Turf Install	12 days	Fri 7/30/21	Mon 8/16/21 15	Turf Install						furf Install			i.			į.
	Sand and Rubber Infill		-		Sand and Rubber Inf									ļ.			
	Sand and Rubber Infill	3 days	Tue 8/17/21	Thu 8/19/21 16	Sand and Rubber Inf			l		•	Sand and Rubber	Infili		l.	I I I I		I.
	Substantial Completion	0 days	Thu 8/19/21	Thu 8/19/21 17	Substantial Completi			1			8/19	 		l I			I.
-								l L				 	l L	l I	I I I I		I I
-	Aledo ISD BB/SB Conversion	06 daya	Man 9/2/24	Mon 12/13/21			1	l I									1
	Alego ISD BB/SB Conversion						1				1						1
	Mobilization	1 day	Mon 8/2/21	Mon 8/2/21	Mobilization		1			Mobilization			i.	i.		i i	i i
+	Demo	3 days	Tue 8/3/21	Thu 8/5/21 21	Demo	i i i				Demo	i i			i.	i i		i i
_	Earthwork	20 days	E-1 9/6/21	Thu 9/2/21 22	Earthwork					<u> </u>		anthrough	i i i	i.			
	Earthwork	20 uays	FII 0/0/21	110 9/2/21 22	Earthwork			I.		i	i l		I	I I	I I		l I
1	Fine Grading	3 days	Fri 9/3/21	Tue 9/7/21 23	Fine Grading		1	l I				Fine Grading	1	l I			I I
+	Concrete Curbs	15 days	Wed 9/8/21	Tue 9/28/21 24			1						<b></b>	l I	I I I I		
	Liner Nailer	5 days	Wed 0/20/24	Tue 10/5/21 25	Liner Nailer		1	I I	I I I I		I I	I I I I	Liner Na	ler	I I I I		I.
							1						Liner Na				l. I
	Turf Rock	15 days	Wed 10/6/21	Tue 10/26/21 26	Turf Rock								×	Tu	rf Rock		-
+	Top Stone and Laser Grade	10 days	Wed 10/27/21	Tue 11/9/21 27	Top Stone and Laser										Top Stone and	Laser Grade	
	Turf Install	10 daux	Wed 11/10/24	Tue 11/23/21 28	Turf Install											Turf Install	
	run IIIStall	to udys	weu 11/10/21	1 uno 11/23/21 20	i un mistali		1							l l			I I
	Turf Inlays	5 days	Wed 11/24/21	Tue 11/30/21 29	Turf Inlays		1				l I	I I I I		l l	I I I I	Turf Inlays	1
+	Sand and Rubber Infill	4 days	Wed 12/1/21	Mon 12/6/21 30	Sand and Rubber Inf		1					 		l I	I I I I	Sand and	Rubber Infill
_	Substantial Completion	0.1	Man 10/0/5	Mon 12/6/21 31	Substantial Completi		· · · · · · · · · · · · · · · · · · ·			·   	i I			1		12/6	Ì
	Substantial Completion	0 days	Mon 12/6/21	won 12/6/21 31	Substantial Completi									i.		▲ 12/6	
	Clean up/Punch List	5 days	Tue 12/7/21	Mon 12/13/21 32	Clean up/Punch List									l.		<b>*</b>	Clean up/Punch
	Task			Summary		External Milestone	•	Manual Task	 ♦	Manual Summary	 ◆	External Tasks	•	Deadline		1	1
ct: A We	: Aledo ISD Turf Conversions a Ved 5/12/21 Split			Summary Project Summar	y V	External Milestone     Inactive Milestone	<b>•</b>	Duration-only	♦		*	External Tasks External Milestone	~	Deading	v		
	Milestone		•	External Tasks		Inactive Summary		Manual Summary Rolls		Finish-only		Progress					