

ALTERNATIVE 1 COST ESTIMATE - LITTLETON - SYNTHETIC FOOTBALL FIELD AND TRACK (Existing Track Only)

**Assumptions: 1. No improvements to natural turf infield
2. Portion of D-Area paved**

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 25,000	\$ 25,000.00	\$ 42,500.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 7,500	\$ 7,500.00		
1	Site Preparation					\$ 25,700.00	
1a	Strip and Screen and haul topsoil (assume 8")	CY	0	\$ 12.00	\$ -		
1b	Excavation bulk dozer (Turf Field areas) (6" depth)	CY	0	\$ 20.00	\$ -		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	785	\$ 20.00	\$ 15,700.00		
1d	Pulverize and remove existing track	SY	5000	\$ 2.00	\$ 10,000.00		
2	Demolition					\$ 5,000.00	
2a	Misc. Demolition	LS	1	\$ 5,000.00	\$ 5,000.00		
2b	Drainage Structures	EA	0	\$ 1,200.00	\$ -		
2b	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2b	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2c	Remove existing chain link fence	LF	0	\$ 4.00	\$ -		
3	Natural Turf Field Preparation					\$ -	
3a	Prepare sub-base, shape and compact (Field)	SY	0	\$ 1.50	\$ -		MHD
3b	Top Stone Layer Under Turf (1" Thick)	Ton	0	\$ 34.00	\$ -		
3c	Crushed Stone Base under Field (4" Thick)	Ton	0	\$ 28.00	\$ -		
4	Concrete					\$ -	
4a	Anchor curbing with drainage (includes slot drains)	LF	0	\$ 70.00	\$ -		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	0	\$ 30.00	\$ -		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ -	
5a	Filled-Turf installed (Premium)	SF	0	\$ 5.00	\$ -		
5b	Synthetic Turf Striping	Sport	0	\$ 10,000.00	\$ -		
6	Athletic Surfacing (Natural Turf Grass at existing track)					\$ -	
6a	Install irrigation system and controller	Field	0	\$ 30,000.00	\$ -		
6b	Place and amend root zone materials, 6"	CY	0	\$ 35.00	\$ -		
6c	Seed Athletic Field Mix and fine grade	SF	0	\$ 0.30	\$ -		
6d	Turf establishment requirements	LS	0	\$ 5,000.00	\$ -		
7	Subsurface Drainage (Natural Turf Field)					\$ -	
7a	Geotextile Separation Layer	SY	0	\$ 2.00	\$ -		
7b	12" Flat Panel Drain	LF	0	\$ 4.00	\$ -		MultiFlow

7c	18" Nyloplast Structures	EA	0	\$ 1,600.00	\$ -		
7d	10" Perf. HDPE	LF	0	\$ 32.00	\$ -		
7e	6" Perf. HDPE	LF	0	\$ 25.00	\$ -		
8	Fencing					\$ -	
8a	4' chain link fence	LF	0	\$ 45.00	\$ -		
8b	4' wide pedestrian gate	EA	0	\$ 1,000.00	\$ -		
8c	12' wide maintenance gate	EA	0	\$ 2,800.00	\$ -		
8d	6' chain link fence	LF	0	\$ 55.00	\$ -		
9	Storm Drainage (Parking and drives)					\$ -	
9a	Reset existing catch basin grates elev.	EA	0	\$ 850.00	\$ -		
9b	Concrete drain manholes / CBs	EA	0	\$ 3,000.00	\$ -		
9c	Misc. Drainage	LS	0	\$ 5,000.00	\$ -		
10	Equipment					\$ -	
10a	New goalposts	PR	0	\$ 17,000.00	\$ -		
10b	Lane Barriers	SET	0	\$ 3,790.00	\$ -		4- with locks
10c	Benches	EA	0	\$ 950.00	\$ -		portable
11	Utilities					\$ -	
11a	Water Cannons	LS	0	\$ 900.00	\$ -		
11b	Water line relocation	LF	0	\$ 25.00	\$ -		
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	0	\$ 25,000.00	\$ -		
12	Soil Stabilization					\$ 1,500.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -		MHD
12b	Haybale filters at existing catchbasins	EA	6	\$ 250.00	\$ 1,500.00		
13	Track and Field Construction					\$ 170,372.62	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,340	\$ 32.00	\$ 42,894.62		
13b	Prepare sub-base, shape, compact and fine grade	SY	4903	\$ 1.50	\$ 7,354.50		
13c	Fine grade stone base (Track and D-areas)	SY	4,903	\$ 1.50	\$ 7,354.50		MHD
13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	4,903	\$ 23.00	\$ 112,769.00		MHD
14	Walkways and parking					\$ 4,250.00	
14a	Bituminous walkways areas with, 3" depth	SY	100	\$ 25.00	\$ 2,500.00		
14b	Aggregate base (6")	Ton	50	\$ 32.00	\$ 1,600.00		
14c	Prepare sub-base, shape, compact and fine grade	SY	100	\$ 1.50	\$ 150.00		
14d	Signage and Striping	LS	0	\$ 2,500.00	\$ -		
15	Resilient Track Surfacing					\$ 157,624.00	
15a	Track and D-Area Surfacing (Latex)	SY	4457	\$ 32.00	\$ 142,624.00		
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00		
16	Discus and Shot Put Venues					\$ 23,380.50	
16a	Discus and Shot Put Pads (Concrete)	CY	2	\$ 500.00	\$ 1,000.00		
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50		

16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00		
16d	Shot Put Curb	LF	280	\$ 30.00	\$ 8,400.00		
16e	Shot put Sand/Clay Mix (6")	Ton	42	\$ 30.00	\$ 1,260.00		
16f	Shot Put Toe board	EA	1	\$ 500.00	\$ 500.00		
16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00		
17	Pole Vault and Long Jump Venues					\$ 31,500.00	
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	1	\$ 1,500.00	\$ 1,500.00		
18	Non-fixed track equipment					\$ 4,000.00	
18a	Hurdles	EA	20	\$ 200.00	\$ 4,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	0	\$ 10,000.00	\$ -		
18d	Track crossing mat	EA	0	\$ 1,100.00	\$ -		
19	Earthen Berm and Plantings					\$ 15,000.00	
19a	Earthen Berm and Plantings	LS	1	\$ 15,000.00	\$ 15,000.00		
20	PA System					\$ 18,000.00	
20a	PA System	LS	1	\$ 18,000.00	\$ 18,000.00		
				Sub-Total		\$ 498,827.12	
				Design Costs		\$ 30,000.00	
				Bid Period Services		\$ 5,000.00	
				Construction Period Services		\$ 20,000.00	
				Contingency		\$ 74,824.07	
				Budget total		\$ 628,651.19	

ALTERNATIVE 1A COST ESTIMATE - LITTLETON - SYNTHETIC FOOTBALL FIELD AND TRACK (Existing Track Location)

- Assumptions:** 1. Natural turf infield
 2. 300 person bleacher
 3. Paved D-Areas
 4. Project includes rest room and team room building (ALT)

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 25,000	\$ 25,000.00	\$ 42,500.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 7,500	\$ 7,500.00		
1	Site Preparation					\$ 81,040.00	
1a	Strip and Screen and haul topsoil (assume 8")	CY	2,050	\$ 12.00	\$ 24,600.00		
1b	Excavation bulk dozer (Turf Field areas) (6" depth)	CY	1537	\$ 20.00	\$ 30,740.00		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	785	\$ 20.00	\$ 15,700.00		
1d	Pulverize and remove existing track	SY	5000	\$ 2.00	\$ 10,000.00		
2	Demolition					\$ 12,200.00	
2a	Misc. Demolition	LS	1	\$ 5,000.00	\$ 5,000.00		
2b	Drainage Structures	EA	6	\$ 1,200.00	\$ 7,200.00		
2b	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2b	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2c	Remove existing chain link fence	LF	0	\$ 4.00	\$ -		
3	Natural Turf Field Preparation					\$ 17,417.50	
3a	Prepare sub-base, shape and compact (Field)	SY	8,625	\$ 1.50	\$ 12,937.50		MHD
3b	Top Stone Layer Under Turf (1" Thick)	Ton	0	\$ 34.00	\$ -		
3c	Crushed Stone Base under Field (4" Thick)	Ton	160	\$ 28.00	\$ 4,480.00		
4	Concrete					\$ 103,300.00	
4a	Anchor curbing with drainage (includes slot drains)	LF	1300	\$ 70.00	\$ 91,000.00		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	410	\$ 30.00	\$ 12,300.00		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ -	
5a	Filled-Turf installed (Premium)	SF	0	\$ 5.00	\$ -		
5b	Synthetic Turf Striping	Sport	0	\$ 10,000.00	\$ -		
6	Athletic Surfacing (Natural Turf Grass at existing track)					\$ 123,100.00	
6a	Install irrigation system and controller	Field	1	\$ 30,000.00	\$ 30,000.00		
6b	Place and amend root zone materials, 6"	CY	1660	\$ 35.00	\$ 58,100.00		
6c	Seed Athletic Field Mix and fine grade	SF	100,000	\$ 0.30	\$ 30,000.00		
6d	Turf establishment requirements	LS	1	\$ 5,000.00	\$ 5,000.00		
7	Subsurface Drainage (Natural Turf Field)					\$ 64,920.00	
7a	Geotextile Separation Layer	SY	10560	\$ 2.00	\$ 21,120.00		
7b	12" Flat Panel Drain	LF	1800	\$ 4.00	\$ 7,200.00		MultiFlow
7c	18" Nyloplast Structures	EA	5	\$ 1,600.00	\$ 8,000.00		

7d	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00		
7e	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00		
8	Fencing					\$ 76,740.00	
8a	4' chain link fence	LF	1532	\$ 45.00	\$ 68,940.00		
8b	4' wide pedestrian gate	EA	5	\$ 1,000.00	\$ 5,000.00		
8c	12' wide maintenance gate	EA	1	\$ 2,800.00	\$ 2,800.00		
8d	6' chain link fence	LF	0	\$ 55.00	\$ -		
9	Storm Drainage (Parking and drives)					\$ -	
9a	Reset existing catch basin grates elev.	EA	0	\$ 850.00	\$ -		
9b	Concrete drain manholes / CBs	EA	0	\$ 3,000.00	\$ -		
9c	Misc. Drainage	LS	0	\$ 5,000.00	\$ -		
10	Equipment					\$ 3,790.00	
10a	New goalposts	PR	0	\$ 17,000.00	\$ -		
10b	Lane Barriers	SET	1	\$ 3,790.00	\$ 3,790.00		4- with locks
10c	Benches	EA	0	\$ 950.00	\$ -		portable
11	Utilities					\$ 25,000.00	
11a	Water Cannons	LS	0	\$ 900.00	\$ -		
11b	Water line relocation	LF	0	\$ 25.00	\$ -		
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	1	\$ 25,000.00	\$ 25,000.00		
12	Soil Stabilization					\$ 750.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -		MHD
12b	Haybale filters at existing catchbasins	EA	3	\$ 250.00	\$ 750.00		
13	Track and Field Construction					\$ 243,230.74	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,903	\$ 32.00	\$ 60,892.74		
13b	Prepare sub-base, shape, compact and fine grade	SY	7013	\$ 1.50	\$ 10,519.50		
13c	Fine grade stone base (Track and D-areas)	SY	7,013	\$ 1.50	\$ 10,519.50		MHD
13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	7,013	\$ 23.00	\$ 161,299.00		MHD
14	Walkways and parking					\$ 32,586.00	
14a	Bituminous walkways areas with, 3" depth	SY	1116	\$ 25.00	\$ 27,900.00		
14b	Aggregate base (6")	Ton	16	\$ 32.00	\$ 512.00		
14c	Prepare sub-base, shape, compact and fine grade	SY	1116	\$ 1.50	\$ 1,674.00		
14d	Signage and Striping	LS	1	\$ 2,500.00	\$ 2,500.00		
15	Resilient Track Surfacing					\$ 219,800.00	
15a	Track and D-Area Surfacing (Latex)	SY	6400	\$ 32.00	\$ 204,800.00		
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00		
16	Discus and Shot Put Venues					\$ 24,380.50	
16a	Discuss and Shot Put Pads (Concrete)	CY	3	\$ 500.00	\$ 1,500.00		
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50		
16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00		
16d	Shot Put Curb	LF	280	\$ 30.00	\$ 8,400.00		

16e	Shot put Sand/Clay Mix (6")	Ton	42	\$ 30.00	\$ 1,260.00		
16f	Shot Put Toe board	EA	2	\$ 500.00	\$ 1,000.00		
16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00		
17	Pole Vault and Long Jump Venues					\$ 33,000.00	
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	2	\$ 1,500.00	\$ 3,000.00		
18	Non-fixed track equipment					\$ 27,100.00	
18a	Hurdles	EA	80	\$ 200.00	\$ 16,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	1	\$ 10,000.00	\$ 10,000.00		
18d	Track crossing mat	EA	1	\$ 1,100.00	\$ 1,100.00		
19	Earthen Berm and Plantings					\$ 15,000.00	
19a	Earthen Berm and Plantings	LS	1	\$ 15,000.00	\$ 15,000.00		
20	PA System					\$ 18,000.00	
20a	PA System	LS	1	\$ 18,000.00	\$ 18,000.00		
				Sub-Total		\$ 1,163,854.74	
				Design Costs		\$ 50,000.00	
				Bid Period Services		\$ 5,000.00	
				Construction Period Services		\$ 20,000.00	
				Contingency		\$ 174,578.21	
				Budget total		\$ 1,413,432.95	
POSSIBLE ALTERNATE BID ITEMS							
Alt 1	Restroom Building	SF	1,600	\$ 200.00	\$ 320,000.00	\$ 320,000.00	
Alt. 2	Ball Safety Netting @ D-Areas					\$ 11,250.00	
	Portable netting system	LF	250	\$ 45.00	\$ 11,250.00		
Alt. 3	Mid-Field Logo					\$ 15,000.00	
	Three Color logo	LS	1	\$ 15,000.00	\$ 15,000.00		
Alt.4	Specator Seating					\$ 90,000.00	
a	300 Seat Bleacher System	SEAT	300	\$ 300.00	\$ 90,000.00		
b	Press Box (includes lift)	EA	0	\$ 60,000.00	\$ -		

ALTERNATIVE 2 COST ESTIMATE - LITTLETON - SYNTHETIC FOOTBALL FIELD AND TRACK (Football Field Location with Natural Turf)

**Assumptions: 1. The existing track is pulverized and restored as natural turf
 2. The football field is natural turf
 3. The existing bleachers are not modified**

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 30,000	\$ 30,000.00	\$ 50,000.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 10,000	\$ 10,000.00		
1	Site Preparation					\$ 77,160.00	
1a	Strip and Screen and haul topsoil (assume 10")	CY	2,560	\$ 12.00	\$ 30,720.00		
1b	Excavation bulk dozer (New NaturalTurf Field areas) (6" depth)	CY	1537	\$ 20.00	\$ 30,740.00		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	785	\$ 20.00	\$ 15,700.00		
2	Demolition					\$ 11,400.00	
2a	Misc. Demolition	LS	1	\$ 5,000.00	\$ 5,000.00		
2b	Drainage Structures	EA	4	\$ 1,200.00	\$ 4,800.00		
2b	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2b	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2c	Remove existing chain link fence	LF	400	\$ 4.00	\$ 1,600.00		
3	Natural Turf Field Preparation					\$ 65,513.00	
3a	Prepare sub-base, shape and compact (Field)	SY	9,222	\$ 1.50	\$ 13,833.00		MHD
3b	Top Stone Layer Under Turf (1" Thick)	Ton	0	\$ 34.00	\$ -		
3c	Crushed Stone Base under Field (4" Thick)	Ton	1,520	\$ 34.00	\$ 51,680.00		
4	Concrete					\$ 103,300.00	
4a	Anchor curbing with drainage (includes slot drains)	LF	1300	\$ 70.00	\$ 91,000.00		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	410	\$ 30.00	\$ 12,300.00		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ -	
5a	Filled-Turf installed (Premium)	SF	0	\$ 5.00	\$ -		Sand & SBR Infill
5b	Synthetic Turf Striping	Sport	0	\$ 10,000.00	\$ -		?
6	Athletic Surfacing (Natural Turf Grass at existing track)					\$ 168,420.54	
6a	Install irrigation system and controller	Field	1	\$ 30,000.00	\$ 30,000.00		
6b	Place and amend root zone materials, 5"	CY	1,383	\$ 35.00	\$ 48,420.54		
6c	Sod	SF	100,000	\$ 0.90	\$ 90,000.00		
7	Subsurface Drainage (Natural Turf Field)					\$ 64,920.00	
7a	Geotextile Separation Layer	SY	10560	\$ 2.00	\$ 21,120.00		
7b	12" Flat Panel Drain	LF	1800	\$ 4.00	\$ 7,200.00		MultiFlow
7c	18" Nyloplast Structures	EA	5	\$ 1,600.00	\$ 8,000.00		
7d	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00		
7e	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00		

8	Fencing						\$ 76,740.00	
8a	4' chain link fence	LF	1532	\$ 45.00	\$ 68,940.00			
8b	4' wide pedestrian gate	EA	5	\$ 1,000.00	\$ 5,000.00			
8c	12' wide maintenance gate	EA	1	\$ 2,800.00	\$ 2,800.00			
8d	6' chain link fence	LF	0	\$ 55.00	\$ -			
9	Storm Drainage (Parking and drives)						\$ 18,700.00	
9a	Reset existing catch basin grates elev.	EA	2	\$ 850.00	\$ 1,700.00			
9b	Concrete drain manholes / CBs	EA	4	\$ 3,000.00	\$ 12,000.00			
9c	Misc. Drainage	LS	1	\$ 5,000.00	\$ 5,000.00			
10	Equipment						\$ 22,690.00	
10a	New goalposts	PR	1	\$ 17,000.00	\$ 17,000.00			
10b	Lane Barriers	SET	1	\$ 3,790.00	\$ 3,790.00			4- with locks
10c	Benches	EA	2	\$ 950.00	\$ 1,900.00			portable
11	Utilities						\$ 28,400.00	
11a	Water Cannons	LS	1	\$ 900.00	\$ 900.00			
11b	Water line relocation	LF	100	\$ 25.00	\$ 2,500.00			
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	1	\$ 25,000.00	\$ 25,000.00			
12	Soil Stabilization						\$ 750.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -			MHD
12b	Haybale filters at existing catchbasins	EA	3	\$ 250.00	\$ 750.00			
13	Track and Field Construction						\$ 245,091.07	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,920	\$ 32.00	\$ 61,427.07			
13b	Prepare sub-base, shape, compact and fine grade	SY	7064	\$ 1.50	\$ 10,596.00			
13c	Fine grade stone base (Track and D-areas)	SY	7,064	\$ 1.50	\$ 10,596.00			MHD
13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	7,064	\$ 23.00	\$ 162,472.00			MHD
14	Walkways and parking						\$ 20,555.00	
14a	Bituminous walkways areas with, 3" depth	SY	430	\$ 25.00	\$ 10,750.00			
14b	Aggregate base (6")	Ton	130	\$ 32.00	\$ 4,160.00			
14c	Prepare sub-base, shape, compact and fine grade	SY	430	\$ 1.50	\$ 645.00			
14d	Signage and Striping	LS	1	\$ 5,000.00	\$ 5,000.00			
15	Resilient Track Surfacing						\$ 219,800.00	
15a	Track and D-Area Surfacing (Latex)	SY	6400	\$ 32.00	\$ 204,800.00			
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00			
16	Discus and Shot Put Venues						\$ 24,380.50	
16a	Discuss and Shot Put Pads (Concrete)	CY	3	\$ 500.00	\$ 1,500.00			
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50			
16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00			
16d	Shot Put Curb	LF	280	\$ 30.00	\$ 8,400.00			
16e	Shot put Sand/Clay Mix (6")	Ton	42	\$ 30.00	\$ 1,260.00			
16f	Shot Put Toe board	EA	2	\$ 500.00	\$ 1,000.00			

16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00		
17	Pole Vault and Long Jump Venues					\$ 33,000.00	
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	2	\$ 1,500.00	\$ 3,000.00		
18	Non-fixed track equipment					\$ 27,100.00	
18a	Hurdles	EA	80	\$ 200.00	\$ 16,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	1	\$ 10,000.00	\$ 10,000.00		
18d	Track crossing mat	EA	1	\$ 1,100.00	\$ 1,100.00		
19	Specator Seating					\$ -	
19a	300 Seat Bleacher System	SEAT	0	\$ 250.00	\$ -		
19b	Press Box (includes lift)	EA	0	\$ 60,000.00	\$ -		
20	Demolish Existing track					\$ 65,000.00	
20a	Demolish and remove existing track	LS	1	\$ 10,000.00	\$ 10,000.00		
20b	Loam and seed existing track area	LS	1	\$ 5,000.00	\$ 5,000.00		
20c	Install baseball field (relocation of existing little league field)	LS	1	\$ 50,000.00	\$ 50,000.00		
22	Expansion of Existing Playground Area					\$ 25,000.00	
22b	Expansion of Existing Playground Area	LS	1	\$ 25,000.00	\$ 25,000.00		
				Sub-Total		\$ 1,347,920.11	
				Design Costs		\$ 60,000.00	
				Bid Period Services		\$ 5,000.00	
				Construction Period Services		\$ 25,000.00	
				Contingency		\$ 202,188.02	
				Budget total		\$ 1,640,108.13	
	POSSIBLE ALTERNATE BID ITEMS						
Alt 1	Restroom Building	SF	1,600	\$ 200.00	\$ 320,000.00	\$ 320,000.00	
Alt. 2	Ball Safety Netting @ D-Areas					\$ 11,250.00	
	Portable netting system	LF	250	\$ 45.00	\$ 11,250.00		
Alt. 4	Relocate Athletic Lighting - 50 ft candles, 2 poles					\$ 25,000.00	
		LS	1	\$ 25,000.00	\$ 25,000.00		

ALTERNATIVE 2A COST ESTIMATE - LITTLETON - SYNTHETIC FOOTBALL FIELD AND TRACK (Football Field Location with Synthetic Turf)

**Assumptions: 1. The existing track is pulverized and restored as natural turf
 2. The football field is replaced with synthetic turf
 3. The existing bleachers are not modified**

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 30,000	\$ 30,000.00	\$ 50,000.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 10,000	\$ 10,000.00		
1	Site Preparation					\$ 77,160.00	
1a	Strip and Screen and haul topsoil (assume 10")	CY	2,560	\$ 12.00	\$ 30,720.00		
1b	Excavation bulk dozer (New Synthetic Turf Field areas) (6" depth)	CY	1537	\$ 20.00	\$ 30,740.00		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	785	\$ 20.00	\$ 15,700.00		
2	Demolition					\$ 11,400.00	
2a	Misc. Demolition	LS	1	\$ 5,000.00	\$ 5,000.00		
2b	Drainage Structures	EA	4	\$ 1,200.00	\$ 4,800.00		
2b	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2b	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2c	Remove existing chain link fence	LF	400	\$ 4.00	\$ 1,600.00		
3	Synthetic Turf Field Preparation					\$ 155,953.00	
3a	Prepare sub-base, shape and compact (Field)	SY	9,222	\$ 1.50	\$ 13,833.00		MHD
3b	Top Stone Layer Under Turf (1" Thick)	Ton	380	\$ 34.00	\$ 12,920.00		
3c	Crushed Stone Base under Field (10" Thick)	Ton	3,800	\$ 34.00	\$ 129,200.00		
4	Concrete					\$ 103,300.00	
4a	Anchor curbing with drainage (includes slot drains)	LF	1300	\$ 70.00	\$ 91,000.00		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	410	\$ 30.00	\$ 12,300.00		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ 445,000.00	
5a	Filled-Turf installed (Premium)	SF	83,000	\$ 5.00	\$ 415,000.00		Sand & SBR Infill
5b	Synthetic Turf Striping	Sport	3	\$ 10,000.00	\$ 30,000.00		?
6	Athletic Surfacing (Natural Turf Grass at existing track)					\$ -	
6a	Install irrigation system and controller	Field	0	\$ 30,000.00	\$ -		
6b	Place and amend root zone materials, 6"	CY	0	\$ 35.00	\$ -		
6c	Seed Athletic Field Mix and fine grade	SF	0	\$ 0.30	\$ -		
6d	Turf establishment requirements	LS	0	\$ 2,000.00	\$ -		
7	Subsurface Drainage (Synthetic Turf Field)					\$ 78,520.00	
7a	Geotextile Separation Layer	SY	10560	\$ 2.00	\$ 21,120.00		
7b	12" Flat Panel Drain	LF	3200	\$ 4.00	\$ 12,800.00		MultiFlow
7c	18" Nyloplast Structures	EA	10	\$ 1,600.00	\$ 16,000.00		
7d	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00		
7e	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00		

8	Fencing						\$ 76,740.00	
8a	4' chain link fence	LF	1532	\$ 45.00	\$ 68,940.00			
8b	4' wide pedestrian gate	EA	5	\$ 1,000.00	\$ 5,000.00			
8c	12' wide maintenance gate	EA	1	\$ 2,800.00	\$ 2,800.00			
8d	6' chain link fence	LF	0	\$ 55.00	\$ -			
9	Storm Drainage (Parking and drives)						\$ 18,700.00	
9a	Reset existing catch basin grates elev.	EA	2	\$ 850.00	\$ 1,700.00			
9b	Concrete drain manholes / CBs	EA	4	\$ 3,000.00	\$ 12,000.00			
9c	Misc. Drainage	LS	1	\$ 5,000.00	\$ 5,000.00			
10	Equipment						\$ 22,690.00	
10a	New goalposts	PR	1	\$ 17,000.00	\$ 17,000.00			
10b	Lane Barriers	SET	1	\$ 3,790.00	\$ 3,790.00			4- with locks
10c	Benches	EA	2	\$ 950.00	\$ 1,900.00			portable
11	Utilities						\$ 28,400.00	
11a	Water Cannons	LS	1	\$ 900.00	\$ 900.00			
11b	Water line relocation	LF	100	\$ 25.00	\$ 2,500.00			
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	1	\$ 25,000.00	\$ 25,000.00			
12	Soil Stabilization						\$ 750.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -			MHD
12b	Haybale filters at existing catchbasins	EA	3	\$ 250.00	\$ 750.00			
13	Track and Field Construction						\$ 245,091.07	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,920	\$ 32.00	\$ 61,427.07			
13b	Prepare sub-base, shape, compact and fine grade	SY	7064	\$ 1.50	\$ 10,596.00			
13c	Fine grade stone base (Track and D-areas)	SY	7,064	\$ 1.50	\$ 10,596.00			MHD
13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	7,064	\$ 23.00	\$ 162,472.00			MHD
14	Walkways and parking						\$ 20,555.00	
14a	Bituminous walkways areas with, 3" depth	SY	430	\$ 25.00	\$ 10,750.00			
14b	Aggregate base (6")	Ton	130	\$ 32.00	\$ 4,160.00			
14c	Prepare sub-base, shape, compact and fine grade	SY	430	\$ 1.50	\$ 645.00			
14d	Signage and Striping	LS	1	\$ 5,000.00	\$ 5,000.00			
15	Resilient Track Surfacing						\$ 219,800.00	
15a	Track and D-Area Surfacing (Latex)	SY	6400	\$ 32.00	\$ 204,800.00			
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00			
16	Discus and Shot Put Venues						\$ 24,380.50	
16a	Discuss and Shot Put Pads (Concrete)	CY	3	\$ 500.00	\$ 1,500.00			
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50			
16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00			
16d	Shot Put Curb	LF	280	\$ 30.00	\$ 8,400.00			
16e	Shot put Sand/Clay Mix (6")	Ton	42	\$ 30.00	\$ 1,260.00			
16f	Shot Put Toe board	EA	2	\$ 500.00	\$ 1,000.00			
16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00			

17	Pole Vault and Long Jump Venues						\$ 33,000.00
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	2	\$ 1,500.00	\$ 3,000.00		
18	Non-fixed track equipment						\$ 27,100.00
18a	Hurdles	EA	80	\$ 200.00	\$ 16,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	1	\$ 10,000.00	\$ 10,000.00		
18d	Track crossing mat	EA	1	\$ 1,100.00	\$ 1,100.00		
19	Spectator Seating						\$ -
19a	300 Seat Bleacher System	SEAT	0	\$ 250.00	\$ -		
19b	Press Box (includes lift)	EA	0	\$ 60,000.00	\$ -		
20	Demolish and Restore Existing track						\$ 65,000.00
20a	Demolish and remove existing track	LS	1	\$ 10,000.00	\$ 10,000.00		
20b	Loam and seed existing track area	LS	1	\$ 5,000.00	\$ 5,000.00		
20c	Install baseball field (relocation of existing little league field)	LS	1	\$ 50,000.00	\$ 50,000.00		
21	Expansion of Existing Playground Area						\$ 25,000.00
21a	Expansion of Existing Playground Area	LS	1	\$ 25,000.00	\$ 25,000.00		
				Subtotal			\$ 1,728,539.57
				Design Costs			\$ 80,000.00
				Bid Period Services			\$ 5,000.00
				Construction Period Services			\$ 25,000.00
				Contingency			\$ 259,280.94
				Budget total			\$ 2,097,820.51
	POSSIBLE ALTERNATE BID ITEMS						
Alt 1	Restroom Building	SF	1,600	\$ 200.00	\$ 320,000.00		\$ 320,000.00
Alt. 2	Ball Safety Netting @ D-Areas						\$ 11,250.00
	Portable netting system	LF	250	\$ 45.00	\$ 11,250.00		
Alt. 3	Mid-Field Logo						\$ 15,000.00
	Three Color logo	LS	1	\$ 15,000.00	\$ 15,000.00		
Alt. 4	Relocate Athletic Lighting - 50 ft candles, 2 poles						\$ 25,000.00
		LS	1	\$ 25,000.00	\$ 25,000.00		

ALTERNATIVE 3 COST ESTIMATE - LITTLETON NATURAL FOOTBALL FIELD AND TRACK (High School Location)

- Assumptions: 1. Relocate / Rebuild Baseball Softball**
2. 300 person bleacher
3. Paved D-Areas
4. Project Includes Natural Turf

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 35,000	\$ 35,000.00	\$ 57,500.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 12,500	\$ 12,500.00		
1	Site Preparation					\$ 143,000.00	
1a	Strip and Screen and haul topsoil (assume 8")	CY	6,700	\$ 12.00	\$ 80,400.00		
1b	Excavation bulk dozer (New Natural Turf Field areas) (6" depth)	CY	1853	\$ 20.00	\$ 37,060.00		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	777	\$ 20.00	\$ 15,540.00		
1d	Pulverize and remove existing track	SY	5000	\$ 2.00	\$ 10,000.00		
2	Demolition					\$ 14,800.00	
2a	Misc. Demolition	LS	1	\$ 10,000.00	\$ 10,000.00		
2b	Drainage Structures	EA	4	\$ 1,200.00	\$ 4,800.00		
2c	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2d	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2e	Remove existing chain link fence	LF	0	\$ 4.00	\$ -		
3	Field Preparation					\$ 267,750.00	
3a	Prepare sub-base, shape and compact (3 Field)	SY	30,000	\$ 1.50	\$ 45,000.00		MHD
3b	Top Stone Layer Under Turf (1" Thick)	Ton	0	\$ 34.00	\$ -		
3c	Crushed Stone Base under Field (6" Thick)	Ton	3,375	\$ 34.00	\$ 114,750.00		
3d	Drainage layer beneath 2 ball fields (4" thick)	Ton	4,500	\$ 24.00	\$ 108,000.00		
4	Concrete					\$ 103,300.00	
4a	Anchor curbing with drainage (includes slot drains)	LF	1300	\$ 70.00	\$ 91,000.00		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	410	\$ 30.00	\$ 12,300.00		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ -	
5a	Filled-Turf installed (Premium)	SF	0	\$ 5.00	\$ -		
5b	Synthetic Turf Striping	Sport	0	\$ 10,000.00	\$ -		
6	Athletic Surfacing (Natural Turf Grass- 2 fields)					\$ 386,000.00	
6a	Install irrigation system and controller	Field	4	\$ 30,000.00	\$ 120,000.00		
6b	Place and amend root zone materials, 6"	CY	5000	\$ 35.00	\$ 175,000.00		
6c	Seed Athletic Field Mix and fine grade	SF	270,000	\$ 0.30	\$ 81,000.00		
6d	Turf establishment requirements	LS	1	\$ 10,000.00	\$ 10,000.00		
7	Subsurface Drainage (Natural Turf Fields)					\$ 83,800.00	
7a	Geotextile Separation Layer	SY	20000	\$ 2.00	\$ 40,000.00		

7b	12" Flat Panel Drain	LF	1800	\$ 4.00	\$ 7,200.00		MultiFlow
7c	18" Nyloplast Structures	EA	5	\$ 1,600.00	\$ 8,000.00		
7d	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00		
7e	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00		
7	Subsurface Drainage (Synthetic Turf Field)					\$ -	
7f	Geotextile Separation Layer	SY	0	\$ 2.00	\$ -		
7g	12" Flat Panel Drain	LF	0	\$ 4.00	\$ -		MultiFlow
7h	18" Nyloplast Structures	EA	0	\$ 1,600.00	\$ -		
7i	10" Perf. HDPE	LF	0	\$ 32.00	\$ -		
7j	6" Perf. HDPE	LF	0	\$ 25.00	\$ -		
8	Fencing					\$ 142,740.00	
8a	4' chain link fence	LF	1532	\$ 45.00	\$ 68,940.00		
8b	4' wide pedestrian gate	EA	5	\$ 1,000.00	\$ 5,000.00		
8c	12' wide maintenance gate	EA	1	\$ 2,800.00	\$ 2,800.00		
8d	6' chain link fence	LF	1200	\$ 55.00	\$ 66,000.00		
9	Storm Drainage (Parking and drives)					\$ -	
9a	Reset existing catch basin grates elev.	EA	0	\$ 850.00	\$ -		
9b	Concrete drain manholes / CBs	EA	0	\$ 3,000.00	\$ -		
9c	Misc. Drainage	LS	0	\$ 5,000.00	\$ -		
10	Equipment					\$ 89,890.00	
10a	New goalposts	PR	2	\$ 17,000.00	\$ 34,000.00		
10b	Lane Barriers	SET	1	\$ 3,790.00	\$ 3,790.00		4- with locks
10c	Benches	EA	8	\$ 950.00	\$ 7,600.00		portable
10d	Backstops	EA	2	\$ 5,000.00	\$ 10,000.00		
10e	Dugouts	EA	4	\$ 3,000.00	\$ 12,000.00		
10f	Foul poles	PR	2	\$ 500.00	\$ 1,000.00		
10g	Rubbers / home plate	EA	6	\$ 250.00	\$ 1,500.00		
10h	Scoreboards	EA	2	\$ 10,000.00	\$ 20,000.00		
11	Utilities					\$ 31,800.00	
11a	Water Cannons	LS	2	\$ 900.00	\$ 1,800.00		
11b	Water line relocation	LF	200	\$ 25.00	\$ 5,000.00		
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	1	\$ 25,000.00	\$ 25,000.00		
12	Soil Stabilization					\$ 750.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -		MHD
12b	Haybale filters at existing catchbasins	EA	3	\$ 250.00	\$ 750.00		
13	Track and Field Construction					\$ 222,677.94	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,219	\$ 32.00	\$ 39,013.94		
13b	Prepare sub-base, shape, compact and fine grade	SY	7064	\$ 1.50	\$ 10,596.00		
13c	Fine grade stone base (Track and D-areas)	SY	7,064	\$ 1.50	\$ 10,596.00		MHD
13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	7,064	\$ 23.00	\$ 162,472.00		MHD
14	Walkways and parking					\$ 6,750.00	

14a	Bituminous walkways areas with, 3" depth	SY	100	\$ 25.00	\$ 2,500.00		
14b	Aggregate base (6")	Ton	50	\$ 32.00	\$ 1,600.00		
14c	Prepare sub-base, shape, compact and fine grade	SY	100	\$ 1.50	\$ 150.00		
14d	Signage and Striping	LS	1	\$ 2,500.00	\$ 2,500.00		
15	Resilient Track Surfacing					\$ 152,526.68	
15a	Track and D-Area Surfacing (Latex)	SY	4,298	\$ 32.00	\$ 137,526.68		
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00		
16	Discus and Shot Put Venues					\$ 18,580.50	
16a	Discus and Shot Put Pads (Concrete)	CY	2	\$ 500.00	\$ 1,000.00		
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50		
16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00		
16d	Shot Put Curb	LF	140	\$ 30.00	\$ 4,200.00		
16e	Shot put Sand/Clay Mix (6")	Ton	22	\$ 30.00	\$ 660.00		
16f	Shot Put Toe board	EA	1	\$ 500.00	\$ 500.00		
16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00		
17	Pole Vault and Long Jump Venues					\$ 31,500.00	
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	1	\$ 1,500.00	\$ 1,500.00		
18	Non-fixed track equipment					\$ 27,100.00	
18a	Hurdles	EA	80	\$ 200.00	\$ 16,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	1	\$ 10,000.00	\$ 10,000.00		
18d	Track crossing mat	EA	1	\$ 1,100.00	\$ 1,100.00		
19	Specator Seating					\$ 90,000.00	
19a	Bleacher System	SEAT	300	\$ 300.00	\$ 90,000.00		
19b	Press Box (includes lift)	EA	0	\$ 60,000.00	\$ -		
20	Athletic Lighting - 50 ft candles, 4 pole MUSCO					\$ -	
21	PA System					\$ 18,000.00	
21a	PA System	LS	1	\$ 18,000.00	\$ 18,000.00		
]				
				Sub-Total		\$ 1,888,465.13	
				Soft Costs		\$ 132,192.56	
				Contingency		\$ 283,269.77	
				Budget total		\$ 2,303,927.45	
POSSIBLE ALTERNATE BID ITEMS							
Alt 1	Restroom Building	SF	1,600	\$ 200.00	\$ 320,000.00	\$ 320,000.00	
Alt. 2	Ball Safety Netting @ D-Areas					\$ 11,250.00	
	Portable netting system	LF	250	\$ 45.00	\$ 11,250.00		
Alt. 3	Mid-Field Logo					\$ 15,000.00	
	Three Color logo	LS	1	\$ 15,000.00	\$ 15,000.00		

ALTERNATIVE 3A COST ESTIMATE - LITTLETON - SYNTHETIC FOOTBALL FIELD AND TRACK (High School Location)

- Assumptions:**
1. Relocate / Rebuild Baseball Softball
 2. 1500 person bleacher and press box
 3. Paved D-Areas
 4. Project includes rest room and team room building (ALT)
 5. Project Includes Synthetic Turf
 6. Project Includes athletic lighting

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
0	General Overhead						
a	Bonds and Insurance	LS	1	\$ 35,000	\$ 35,000.00	\$ 57,500.00	
b	Mobilization	LS	1	\$ 10,000	\$ 10,000.00		
c	Layout and materials testing	LS	1	\$ 12,500	\$ 12,500.00		
1	Site Preparation					\$ 143,000.00	
1a	Strip and Screen and haul topsoil (assume 8")	CY	6,700	\$ 12.00	\$ 80,400.00		
1b	Excavation bulk dozer (New Synthetic Turf Field areas) (6" depth)	CY	1853	\$ 20.00	\$ 37,060.00		Below topsoil
1c	Excavation bulk dozer (New Track areas) (4" depth)	CY	777	\$ 20.00	\$ 15,540.00		
1d	Pulverize and remove existing track	SY	5000	\$ 2.00	\$ 10,000.00		
2	Demolition					\$ 14,800.00	
2a	Misc. Demolition	LS	1	\$ 10,000.00	\$ 10,000.00		
2b	Drainage Structures	EA	4	\$ 1,200.00	\$ 4,800.00		
2b	Remove existing bleachers	LS	0	\$ 10,000.00	\$ -		
2b	Remove existing pressbox	LS	0	\$ 12,000.00	\$ -		
2c	Remove existing chain link fence	LF	0	\$ 4.00	\$ -		
3	Field Preparation					\$ 286,858.00	
3a	Prepare sub-base, shape and compact (3 Field)	SY	30,000	\$ 1.50	\$ 45,000.00		MHD
3b	Top Stone Layer Under Turf (1" Thick) Synthetic Fld	Ton	562	\$ 34.00	\$ 19,108.00		
3c	Crushed Stone Base under Field (6" Thick) Synthetic Fld	Ton	3,375	\$ 34.00	\$ 114,750.00		
3d	Drainage layer beneath 2 ball fields (4" thick)	Ton	4,500	\$ 24.00	\$ 108,000.00		
4	Concrete					\$ 103,300.00	
4a	Anchor curbing with drainage (includes slot drains)	LF	1300	\$ 70.00	\$ 91,000.00		ACO 4000 & 3000
4b	Concrete anchor curbing	LF	410	\$ 30.00	\$ 12,300.00		
5	Athletic Surfacing (Synthetic Turf Grass)					\$ 460,000.00	
5a	Filled-Turf installed (Premium)	SF	90,000	\$ 5.00	\$ 450,000.00		
5b	Synthetic Turf Striping	Sport	1	\$ 10,000.00	\$ 10,000.00		
6	Athletic Surfacing (Natural Turf Grass- 2 fields)					\$ 270,550.00	
6a	Install irrigation system and controller	Field	3	\$ 30,000.00	\$ 90,000.00		
6b	Place and amend root zone materials, 6"	CY	3330	\$ 35.00	\$ 116,550.00		
6c	Seed Athletic Field Mix and fine grade	SF	180,000	\$ 0.30	\$ 54,000.00		
6d	Turf establishment requirements	LS	1	\$ 10,000.00	\$ 10,000.00		

7	Subsurface Drainage (Natural Turf Fields)						\$ 83,800.00	
7a	Geotextile Separation Layer	SY	20000	\$ 2.00	\$ 40,000.00			
7b	12" Flat Panel Drain	LF	1800	\$ 4.00	\$ 7,200.00			MultiFlow
7c	18" Nyloplast Structures	EA	5	\$ 1,600.00	\$ 8,000.00			
7d	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00			
7e	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00			
7	Subsurface Drainage (Synthetic Turf Field)						\$ 78,520.00	
7f	Geotextile Separation Layer	SY	10560	\$ 2.00	\$ 21,120.00			
7g	12" Flat Panel Drain	LF	3200	\$ 4.00	\$ 12,800.00			MultiFlow
7h	18" Nyloplast Structures	EA	10	\$ 1,600.00	\$ 16,000.00			
7i	10" Perf. HDPE	LF	800	\$ 32.00	\$ 25,600.00			
7j	6" Perf. HDPE	LF	120	\$ 25.00	\$ 3,000.00			
8	Fencing						\$ 142,740.00	
8a	4' chain link fence	LF	1532	\$ 45.00	\$ 68,940.00			
8b	4' wide pedestrian gate	EA	5	\$ 1,000.00	\$ 5,000.00			
8c	12' wide maintenance gate	EA	1	\$ 2,800.00	\$ 2,800.00			
8d	6' chain link fence	LF	1200	\$ 55.00	\$ 66,000.00			
9	Storm Drainage (Parking and drives)						\$ -	
9a	Reset existing catch basin grates elev.	EA	0	\$ 850.00	\$ -			
9b	Concrete drain manholes / CBs	EA	0	\$ 3,000.00	\$ -			
9c	Misc. Drainage	LS	0	\$ 5,000.00	\$ -			
10	Equipment						\$ 89,890.00	
10a	New goalposts	PR	2	\$ 17,000.00	\$ 34,000.00			
10b	Lane Barriers	SET	1	\$ 3,790.00	\$ 3,790.00			4- with locks
10c	Benches	EA	8	\$ 950.00	\$ 7,600.00			portable
10d	Backstops	EA	2	\$ 5,000.00	\$ 10,000.00			
10f	Dugouts	EA	4	\$ 3,000.00	\$ 12,000.00			
10g	Foul poles	PR	2	\$ 500.00	\$ 1,000.00			
10h	Rubbers / home plate	EA	6	\$ 250.00	\$ 1,500.00			
10i	Scoreboards	EA	2	\$ 10,000.00	\$ 20,000.00			
11	Utilities						\$ 31,800.00	
11a	Water Cannons	LS	2	\$ 900.00	\$ 1,800.00			
11b	Water line relocation	LF	200	\$ 25.00	\$ 5,000.00			
11c	Infrastructure for future lighting (conduits and pullboxes)	LS	1	\$ 25,000.00	\$ 25,000.00			
12	Soil Stabilization						\$ 750.00	
12a	Silt Sock	LF	0	\$ 5.00	\$ -			MHD
12b	Haybale filters at existing catchbasins	EA	3	\$ 250.00	\$ 750.00			
13	Track and Field Construction						\$ 244,650.31	
13a	Aggregate Base for Track and D-areas (8")	Ton	1,906	\$ 32.00	\$ 60,986.31			
13b	Prepare sub-base, shape, compact and fine grade	SY	7064	\$ 1.50	\$ 10,596.00			
13c	Fine grade stone base (Track and D-areas)	SY	7,064	\$ 1.50	\$ 10,596.00			MHD

13d	Pavement (1.5" Binder course and 1.5" Wearing course)	SY	7,064	\$ 23.00	\$ 162,472.00		MHD
14	Walkways and parking					\$ 6,750.00	
14a	Bituminous walkways areas with, 3" depth	SY	100	\$ 25.00	\$ 2,500.00		
14b	Aggregate base (6")	Ton	50	\$ 32.00	\$ 1,600.00		
14c	Prepare sub-base, shape, compact and fine grade	SY	100	\$ 1.50	\$ 150.00		
14d	Signage and Striping	LS	1	\$ 2,500.00	\$ 2,500.00		
15	Resilient Track Surfacing					\$ 222,521.96	
15a	Track and D-Area Surfacing (Latex)	SY	6,485	\$ 32.00	\$ 207,521.96		
15b	Track marking	EA	1	\$ 15,000.00	\$ 15,000.00		
16	Discus and Shot Put Venues					\$ 24,380.50	
16a	Discus and Shot Put Pads (Concrete)	CY	3	\$ 500.00	\$ 1,500.00		
16b	Aggregate base beneath pads	Ton	5	\$ 30.00	\$ 157.50		
16c	Prepare sub-base, shape, compact and fine grade	SY	42	\$ 1.50	\$ 63.00		
16d	Shot Put Curb	LF	280	\$ 30.00	\$ 8,400.00		
16e	Shot put Sand/Clay Mix (6")	Ton	42	\$ 30.00	\$ 1,260.00		
16f	Shot Put Toe board	EA	2	\$ 500.00	\$ 1,000.00		
16g	Discus Cage (portable)	EA	1	\$ 12,000.00	\$ 12,000.00		
17	Pole Vault and Long Jump Venues					\$ 31,500.00	
17a	Sand Pit Forms with Sand Catcher	EA	2	\$ 15,000.00	\$ 30,000.00		
17b	Pole vault boxes	EA	1	\$ 1,500.00	\$ 1,500.00		
18	Non-fixed track equipment					\$ 27,100.00	
18a	Hurdles	EA	80	\$ 200.00	\$ 16,000.00		
18b	Pole Vault Pad	EA	0	\$ 15,000.00	\$ -		
18c	High Jump Pad	EA	1	\$ 10,000.00	\$ 10,000.00		
18d	Track crossing mat	EA	1	\$ 1,100.00	\$ 1,100.00		
19	Spectator Seating					\$ 420,000.00	
19a	Bleacher System	SEAT	1,200	\$ 300.00	\$ 360,000.00		
19b	Press Box (includes lift)	EA	1	\$ 60,000.00	\$ 60,000.00		
20	Athletic Lighting - 50 ft candles, 4 pole MUSCO					\$ -	
21	PA System					\$ 18,000.00	
21a	PA System	LS	1	\$ 18,000.00	\$ 18,000.00		
				Sub-Total		\$ 2,758,410.77	
				Design Costs		\$ 140,000.00	
				Bid Period Services		\$ 10,000.00	
				Construction Period Services		\$ 45,000.00	
				Contingency		\$ 413,761.62	
				Budget total		\$ 3,367,172.39	
POSSIBLE ALTERNATE BID ITEMS							
Alt 1	Restroom Building	SF	1,600	\$ 200.00	\$ 320,000.00	\$ 320,000.00	

Alt. 2	Ball Safety Netting @ D-Areas					\$ 11,250.00	
	Portable netting system	LF	250	\$ 45.00	\$ 11,250.00		
Alt. 3	Mid-Field Logo					\$ 15,000.00	
	Three Color logo	LS	1	\$ 15,000.00	\$ 15,000.00		

Preliminary Littleton Track and Field Location Analysis Summary

LOCATION	PROJECT SCOPE	COMPARATIVE BUDGETS *	ADVANTAGES	DISADVANTAGES
OPTION 1				
Existing Track Parcel	6/8 lane track and field	\$ 628,651	Cost	Lack of Amenities and Practice Facilities
Track Only	demo existing track		Dedicated track facility/ease of scheduling	Poor quality infield
				Highway Impacts
				Somewhat Remote
				Wind issue
				Permitting requiremetns
OPTION 1A				
Existing Track Parcel	6/8 lane track and field	\$ 1,413,433	Cost	Highway Impacts
Full Build	demo existing track		Dedicated track facility/ease of scheduling	Somewhat "remote"
	improve nat turf field		High quality infield	Permitting requirements
	@ old track		Spectator seating	Wind issue
	300 person bleacher		Ability to host regional meets	
	Duplicate Field events			
	Fencing			
OPTION 2				
Football Field Parcel	6/8 lane track and field	\$ 1,640,108	Creates full service stadium	Bus holding area impacts
(Natural Turf)	Natural turf field		Adjacent to Parking	Relocate softball field
	Replacement parking		Adjacent to Seating	Loss of "Dedicated" track and field facility
	Revised School Access		Less highway impacts	
	Demolish Ext. Track		Existing Lights	
	Replacement Baseball		Imp. access to Russell St. School	
			Access to Middle School facilities	
			Ease of Permitting	
OPTION 2A				
Football Field Parcel	6/8 lane track and field	\$ 2,097,821	Creates full service stadium	Bus holding area
(Synthetic Turf)	Synthetic turf field		Adjacent to Parking	Relocate softball field
	Replacement parking		Adjacent to Seating	Loss of "Dedicated" track and field facility
	Revised School Access		Less highway impacts	
	Demolish Ext. Track		Existing Lights	
	Replacement Baseball		Imp. access to Russell St. School	
			Access to Middle School facilities	
			Ease of Permitting	
			High use all-weather multi-purpose infield	

OPTION 3				
High School Parcel	6/8 lane track and field	\$ 2,303,927	Athletic campus location	Cost
Basic Track & Field	relocate baseball		Cost versus alternative 3A	Loss of 2+ rectangular fields
	relocate softball		Ease of Permitting	Loss of baseball & softball fields for grow-in year
	natural turf field			
	300 person bleachers			
	no lighting			
OPTION 3A				
High School Parcel	6/8 lane track and field	\$ 3,367,172	Athletic campus location	Cost
Stadium w/ Syn Turf	relocate baseball		Ease of Permitting	Loss of 2+ rectangular field
	relocate softball			Loss of baseball & softball fields for grow-in year
	synthetic turf field			
	1500 person bleachers			
	athletic lighting			