



# UNITED INDEPENDENT SCHOOL DISTRICT INFORMATIONAL ITEM

**TOPIC:** Review of Possible Construction of Band Marching Pads at LBJ High School and United South High School

**SUBMITTED BY:** Enrique Rangel *Enrique Rangel* **OF:** Facilities Department

**APPROVED FOR TRANSMITTAL TO SCHOOL BOARD:** \_\_\_\_\_

**DATE ASSIGNED FOR BOARD CONSIDERATION:** August 18, 2010

## RECOMMENDATIONS:

The following information on the possible construction of band marching pads at LBJ High School and United South High School is presented for Board review:

1. LBJ High School option 1: \$329,797.58
2. LBJ High School option 2: \$363,087.62
3. United South High School option 3: \$450,696.69

(see attached plans and cost breakdown)



**UNITED INDEPENDENT SCHOOL DISTRICT**  
**LYNDON B. JOHNSON HIGH SCHOOL**  
**ENGINEER'S PRELIMINARY OPINION OF PROBABLE COST**  
**MARCHING PAD (90 YDS x 54 YDS -OPTION 1)**

Rev.08/06/10  
06/14/10  
06/03/10  
04/09/10

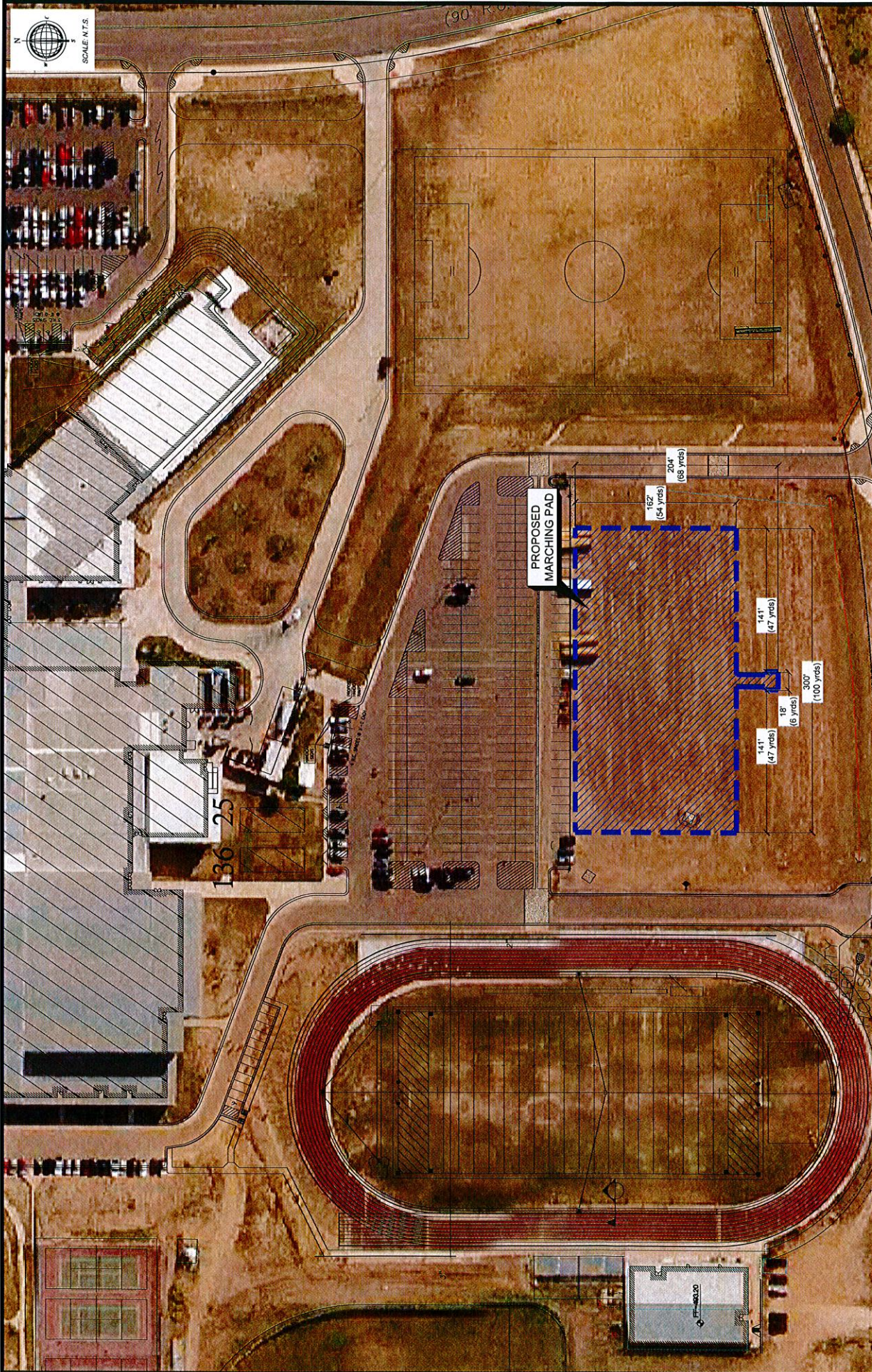
Material List	Estimated Quantity	Unit	Unit Price	Extended
Clearing and Grubbing	2	AC	\$750.00	\$1,500.00
Cut	2,750	CY	\$3.00	\$8,250.00
Fill	2,750	CY	\$3.25	\$8,937.50
Geogrid BX1100	5,000	SY	\$4.25	\$21,250.00
Subgrade Preparation	5,000	SY	\$1.25	\$6,250.00
6" Flexible Base	5,000	SY	\$6.00	\$30,000.00
2" HMAC	4,860	SY	\$10.00	\$48,600.00
6' Concrete Sidewalk with 12" Beam	1,500	SF	\$6.00	\$9,000.00
6" Concrete Pad	240	SF	\$6.00	\$1,440.00
Electrical Allowance	1	LS	\$105,000.00	\$105,000.00
Drainage Swale	150	CY	\$5.00	\$750.00
Irrigation	1	LS	\$10,000.00	\$10,000.00
Sod	7,000	SF	\$1.00	\$7,000.00
Gravel Filter Berm	2	EA	\$500.00	\$1,000.00
Mulch Tube/Silt Fence	800	LF	\$3.50	\$2,800.00
Striping	1	LS	\$10,000.00	\$10,000.00
Remove/Relocate Shot Put Area	1	LS	\$1,500.00	\$1,500.00
Sidewalk Extensions to tie to existing	800	SF	\$4.00	\$3,200.00

**Estimated Construction Cost    \$276,477.50**

Engineering	\$20,320.08
Surveying	\$2,500.00
Staking	\$500.00
Testing	\$5,000.00
Contingency	\$25,000.00

**Total Preliminary Project Cost    \$329,797.58**

- Assumptions: 1) No daily inspection required  
2) Proposed marching pad dimensions based on maximum size allowed on site.  
3) Does not include perimeter fencing.  
4) Pavement design assumes a CBR value of 3 to satisfy a "Light " Pavement Section with car traffic only.



<b>CRANE ENGINEERING CORP.</b> 1318 JUNCTION DRIVE HOUSTON, TEXAS 77030 PH: 281.416.1111 FAX: 281.416.1112		<b>United Independent School District</b> 		LBJ High School Proposed Marching Pad Option 2		SHEET <b>1</b> OF <b>1</b>	
Revisions No.    Date _____ _____		Scale: N.T.S.		Date: 4/7/10		Date: 4/7/10	

**UNITED INDEPENDENT SCHOOL DISTRICT**  
**LYNDON B. JOHNSON HIGH SCHOOL**  
**ENGINEER'S PRELIMINARY OPINION OF PROBABLE COST**  
**MARCHING PAD (100 YDS x 54 YDS -OPTION 2)**

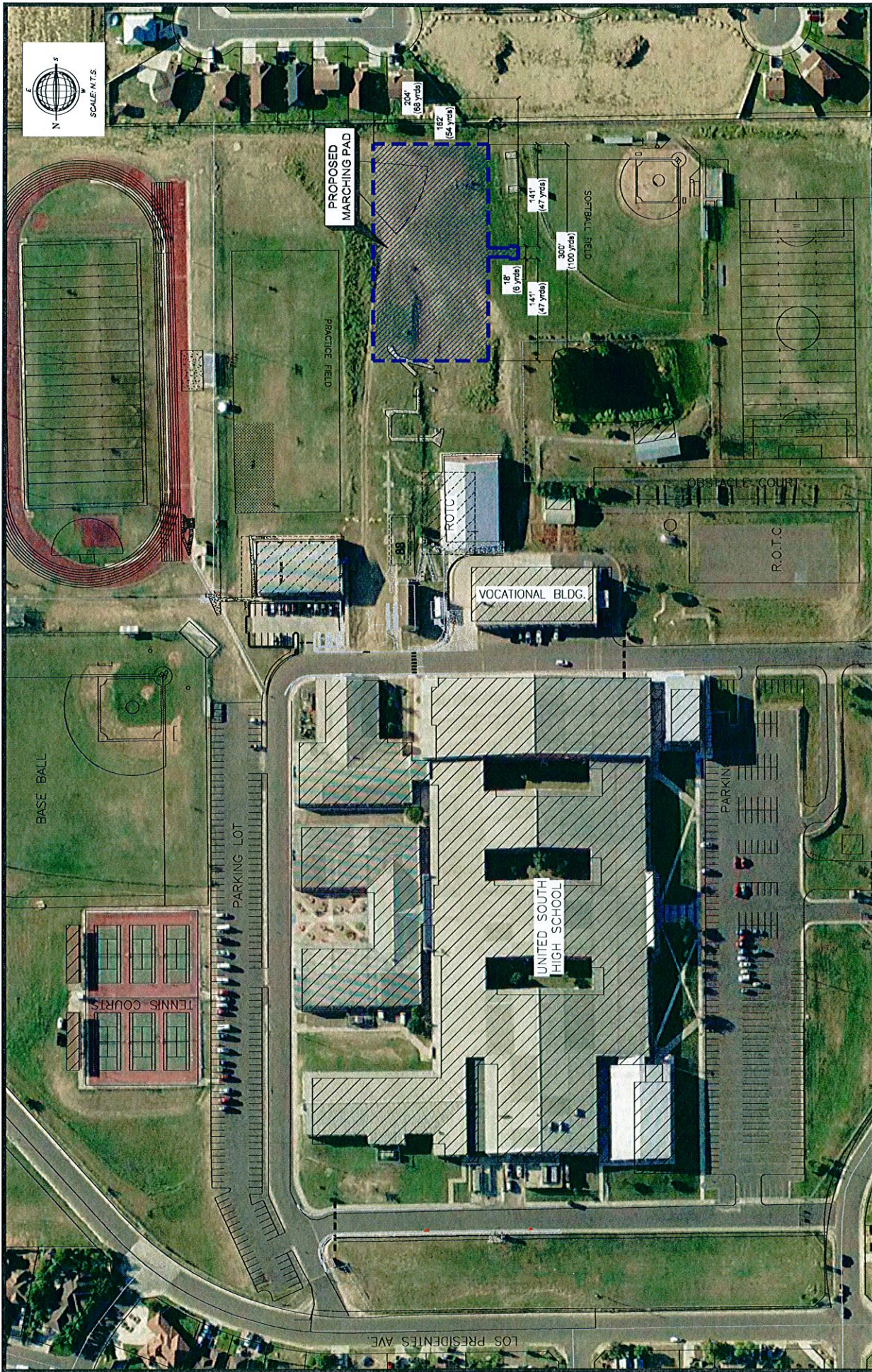
Rev.08/06/10  
06/14/10  
06/03/10  
04/09/10

Material List	Estimated Quantity	Unit	Unit Price	Extended
Clearing and Grubbing	2	AC	\$750.00	\$1,500.00
Cut	3,250	CY	\$3.00	\$9,750.00
Fill	3,250	CY	\$3.25	\$10,562.50
Geogrid BX1100	5,700	SY	\$4.25	\$24,225.00
Subgrade Preparation	5,700	SY	\$1.25	\$7,125.00
6" Flexible Base	5,700	SY	\$6.00	\$34,200.00
2" HMAC	5,400	SY	\$10.00	\$54,000.00
6' Concrete Sidewalk with 12" Beam	2,900	SF	\$6.00	\$17,400.00
6" Concrete Pad	240	SF	\$6.00	\$1,440.00
Electrical Allowance	1	LS	\$105,000.00	\$105,000.00
Drainage Swale	150	CY	\$5.00	\$750.00
Irrigation	1	LS	\$10,000.00	\$10,000.00
Sod	10,000	SF	\$1.00	\$10,000.00
Gravel Filter Berm	2	EA	\$500.00	\$1,000.00
Mulch Tube/Silt Fence	800	LF	\$3.50	\$2,800.00
Striping	1	LS	\$10,000.00	\$10,000.00
Remove/Relocate Shot Put Area	1	LS	\$1,500.00	\$1,500.00
Sidewalk Extensions to tie to existing	800	SF	\$4.00	\$3,200.00
<b>Estimated Construction Cost</b>				<b>\$304,452.50</b>

Engineering	\$23,635.12
Surveying	\$2,500.00
Staking	\$2,500.00
Testing	\$5,000.00
Contingency	\$25,000.00

**Total Preliminary Project Cost** **\$363,087.62**

- Assumptions: 1) No daily inspection required  
2) Proposed marching pad dimensions matches marching pad at Alexander High School  
3) Does not include perimeter fencing.  
4) Pavement design assumes a CBR value of 3 to satisfy a "Light " Pavement Section with car traffic only.



Sheet  
1  
of  
1

Original Siteplan & Proposed  
Marching Pad

United South High School

United Independent  
School District



**CRANE ENGINEERING CORP.**  
110 JUNCTION DRIVE  
SUITE B  
959-134196  
FROM REGISTRATION NO. 1-3-85



Revisions	
No.	Date
	Scale: N.T.S.
Date: 4/7/10	

LOS PRESIDENTES AVE.

**UNITED INDEPENDENT SCHOOL DISTRICT**  
**UNITED SOUTH HIGH SCHOOL**  
**ENGINEER'S PRELIMINARY OPINION OF PROBABLE COST**  
**MARCHING PAD (100 YDS x 54 YDS)**

Rev.08/04/10  
06/14/10  
06/03/10  
04/09/10

Material List	Estimated Quantity	Unit	Unit Price	Extended
Clearing and Grubbing	2	AC	\$750.00	\$1,500.00
Remove/Replace Concrete Sidewalk	600	SF	\$7.00	\$4,200.00
Remove/Replace Shot Put Area Concrete Pad	1	LS	\$3,500.00	\$3,500.00
Cut	3,600	CY	\$3.00	\$10,800.00
Fill	3,600	CY	\$3.25	\$11,700.00
Fill (Import)	900	CY	\$10.50	\$9,450.00
Geogrid BX1100	5,650	SY	\$4.25	\$24,012.50
Subgrade Preparation	5,650	SY	\$1.25	\$7,062.50
6" Flexible Base	5,650	SY	\$6.00	\$33,900.00
2" HMAC	5,400	SY	\$10.00	\$54,000.00
6' Concrete Sidewalk with 12" Beam	5,640	SF	\$6.00	\$33,840.00
6" Concrete Pad	240	SF	\$6.00	\$1,440.00
Electrical Allowance	1	LS	\$105,000.00	\$105,000.00
Drainage Swale and Valley Gutter	1	LS	\$20,000.00	\$20,000.00
Sod	18,000	SF	\$1.00	\$18,000.00
Irrigation	1	LS	\$20,000.00	\$20,000.00
Gravel Filter Berm	5	EA	\$500.00	\$2,500.00
Mulch Tube	800	LF	\$3.50	\$2,800.00
Sidewalk Extensions to tie to existing	500	SF	\$4.00	\$2,000.00
Cable fence around perimeter	950	LF	\$8.00	\$7,600.00
<b>Estimated Construction Cost</b>				<b>\$373,305.00</b>
		Engineering		\$31,391.69
		Surveying		\$5,000.00
		Staking		\$7,000.00
		Testing		\$9,000.00
		Contingency		\$25,000.00
<b>Total Preliminary Project Cost</b>				<b>\$450,696.69</b>

Assumptions:1) No daily inspection required.

2) Proposed marching pad dimensions matches marching pad at Alexander High School

3) Pavement design assumes a CBR value of 3 to satisfy a "Light " Pavement Section with car traffic only.