

Rock Chalk Park - Infrastructure Report

January/February 2014

The following report is the seventh monthly report for the construction of infrastructure at Rock Chalk Park. Due to cold weather no infrastructure work occurred in January, so this report includes both January and February. The format follows the sections outlined in the development agreement with status updates and notable items complete. Attached is a copy of the spreadsheet city staff is using to track monthly quantities and totals which can be compared to the amounts approved in the development agreement. Highlighted items on the spreadsheet are estimated quantities complete for lump sum and grading items that will not be measurable until the project is complete; the estimate is from visual inspection.

The majority of work completed has been inspected and installed to City specifications. Quantities of work completed have been measured by the City and provided to Bliss Sports. There have been no major changes to the design, scope, functionality or amenities of the infrastructure plans. There have been some minor changes to work items and they are outlined in the change order section. Infrastructure improvements appear to be on or ahead of schedule. At the end of December \$6,635,871.31 of the \$12,265,168.65 total cost of infrastructure work was complete, approximately 54%.

City Staff has been meeting with Bliss Sports bi-weekly about infrastructure throughout the project; with the upcoming Kansas Relays staff began meeting weekly with Bliss Sports on March 11, 2014. A letter was provided to Bliss Sports on March 19, 2014 summarizing the criteria for infrastructure completion required for approval of a Temporary Certificate of Occupancy and outlining guidelines for acceptance of infrastructure work needed prior to completion of the project. The letter is attached to the end of this report.

In February, Public Works stormwater staff inspected the site for compliance with the Storm Water Pollution Prevention Plan. Staff noted storm inlets that needed new sediment barriers and inlets that needed to be cleaned out and cleared of sediment and debris. Following standard procedures, A Notice of Violation was issued to Bliss Sports on February 24th to make the corrections within two weeks. Bliss Sports followed through and made the necessary corrections to bring the site into compliance.

Last October it was noted that some cracks in the parking lot and streets occurred in panels of concrete. In January, the parking lot and streets were walked and a total number of cracks were counted. At the time, the streets and parking lot pavement was about 90-95% complete and the parking lot curb and gutter 50% complete. Approximately 3% of the panels in the parking lot have cracks and 1-2% in the public/private streets. Repairs will need to be made before infrastructure work is accepted.



Parking lot north of Track Facility

General

- No additional staking costs have been submitted by Bliss Sports.

Site Grading

- No additional grading work in January or February
- 100% of site strip, site excavation, compaction and rock excavation work is complete; all quantities are assumed to be plan quantity
- Topsoil replacement/fine grade work will be done at end of project

Retention Ponds

- Work to complete the detention ponds is 100% complete as of July 2013.
- Summary of Costs:
 - Cost per development agreement: \$156,250
 - Final construction cost: \$156,250

Natural Trails and Eight Lighted Tennis Courts

- No work has begun

Waterline

- Work to complete Waterline is 100% complete as of November 2013
- Summary of Costs:
 - Cost per development agreement: \$468,061.65
 - Final construction cost: \$462,522.49
- Two overruns on quantities:
 - 12" C900 DR14 Waterline: 12 extra feet, cost = \$442.44
 - 8" PVC C900 DR14 Waterline: 14 extra feet, cost = \$406
 - Fire Hydrant Assembly: 1 extra, cost = \$3300
- One underrun on quantities:
 - Flowable fill - an estimated 384.5 CY was assumed based on the unit price provided for the Sanitary Sewer flowable fill (\$70/CY). The 247 CY of flowable fill used for waterline the total cost would be \$17,290; an underrun cost of \$9620
- All other items were installed at 100% of plan quantities

Sanitary Sewer

- Work to complete Sanitary Sewer is 100% complete as of October 2013
- Summary of Costs:
 - Cost per development agreement: \$162,842.50
 - Final construction cost: \$174,312.50
- Two overruns on quantities:
 - Extra Depth manhole: 6.2 extra feet, cost = \$620
 - Flowable Fill - 155 CY extra, cost = \$10,850
- All other items were installed at 100% of plan quantities

Storm Sewer

- Work to complete Storm Sewer is 100% complete as of November 2013
- Summary of Costs:
 - Cost per development agreement: \$82,688.75
 - Final construction cost: \$82,688.75
- One additional 12" pipe and end section was installed to alleviate a drainage concern along Rock Chalk Drive; because there are no 12" pipe quantities in the plans, the item has been added to the Change Order section at the end.

Parking Lot Lights

- No additional work on parking lot lights in January or February.
- 80% of the Conduit for lights and 50% of the Conduit for Westar has been installed.

Landscaping

- No additional work on landscaping in January or February.
- Approximately 50% of the irrigation pipe has been installed for the parking lot islands

Rock Chalk Drive & George Williams

- No additional work on Rock Chalk Drive & George Williams Way in January or February.
- Unclassified excavation was 100% complete for this section in October and the full quantity 15,934 CY is assumed to be correct.
- Compacted fill was 100% complete for this section in November and the full quantity 1790 CY is assumed to be correct.
- There are several cracked panels in Rock Chalk Drive. Repairs will need to be made before the work is accepted.
- Treatment of subgrade is measured to be 95% complete. The development agreement had 12" fly ash & 4" AB3 for this work item. A change was made to 9" fly ash as recommended by the city - already on the approved public improvement plans. No unit cost has been provided by Bliss for this work, the quantity has been added to the Change Order section.

Overflow Parking Lot

- No work has begun

Parking Lot/Access Drives

- Concrete paving in parking lot began in September. No additional concrete parking lot work occurred in January or February; parking lot is 94% complete.
- Curb and gutter work in the parking lot began in November and is approximately 50% complete.
- Concrete parking and bus lane work began in December. 479 SY was poured in February; work is approximately 54% complete.
- Due to cold weather the parking lot north of the KU track facility was not treated with fly ash before paving. The City and Bliss Sports agreed to use 12" crushed concrete thickness instead of fly ash. This quantity will be split out and listed as Change Order 6.



Interior parking/bus lane concrete pour in February



Parking lot west of Track Facility

Rock Chalk Lane and Rock Chalk Parkway

- No additional work on Rock Chalk Lane or Rock Chalk Parkway in January or February. Grading is complete and street work is approximately 90% complete.

Chip and Seal County Road

- No work has begun and plans are to complete at end of project.

Rec Center Pad

- Work to complete the rec center pad is 100% complete as of July 2013.
- Summary of Costs:
 - Cost per development agreement: \$432,500
 - Final construction cost: \$432,500

Change Orders

- Change Order 1: Installed additional 1352 LF of 4" conduit for fiber
- Change Order 2: 600 LF of 3" conduit for security cameras (complete in August)
- Change Order 3: Treatment of subgrade 9" flyash on Rock Chalk Drive and George Williams Way
- Change Order 4: 12" HDPE storm sewer pipe
- Change Order 5: 12" CMP End Section.
- Change Order 6: 5998 SY 12" Subgrade Crushed Concrete in Parking Lot

- Unit costs for change orders items 1 through 6 have not yet been provided by Bliss Sports. A copy was provided to Bliss Sports on February 11, 2014.

**ESTIMATE OF WORK COMPLETE
FOR PERIOD: January & February**

DATE: February 28, 2014

ESTIMATE No.: 7

PROJECT LOCATION: Rock Chalk Site Work

ESTIMATE ON LUMP SUM & GRADING ITEMS

ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
General		Unit	Quantity	Unit cost	Total					
1	Mobilization	LS	1	\$ 400,000.00	\$ 400,000.00	0.75	\$ 300,000.00	75%		\$ -
2	Construction Staking	LS	1	\$ 225,000.00	\$ 225,000.00	0.25	\$ 58,200.00	25%		\$ -
3	Seeding, Mulching & Fertilizing	AC	20	\$ 1,500.00	\$ 30,000.00	13.34	\$ 20,010.00	67%		\$ -
4	Utilities Connection fees and expenses	LS	1	\$ 55,000.00	\$ 55,000.00		\$ -	0%		\$ -
5	Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00		\$ -	0%		\$ -
6	Erosion & Sediment Control	LS	1	\$ 40,000.00	\$ 40,000.00	1.00	\$ 40,000.00	100%		\$ -
7	Legal Fees per Development Agreement	LS	1	\$ 167,836.00	\$ 167,836.00		\$ -	0%		\$ -
8	Loan origination fees for project financing	LS	1	\$ 150,000.00	\$ 150,000.00		\$ -	0%		\$ -
9	Loan interest for project financing	LS	1	\$ 309,515.00	\$ 309,515.00		\$ -	0%		\$ -
10	Construction Management fee 2.5% on \$11.5M	LS	1	\$ 287,500.00	\$ 287,500.00		\$ -	0%		\$ -
11	Professional Fees	LS	1	\$ 525,000.00	\$ 525,000.00		\$ -	0%		\$ -
General Sub Total					\$ 2,194,851.00		\$ 418,210.00	19%		\$ -

Site Grading		Unit	Quantity	Unit cost	Total					
12	Site strip	CY	32,000	\$ 2.25	\$ 72,000.00	32,000.00	\$ 72,000.00	100%		\$ -
13	Site Excavation	CY	180,000	\$ 2.25	\$ 405,000.00	180,000.00	\$ 405,000.00	100%		\$ -
14	Compaction	CY	160,000	\$ 1.10	\$ 176,000.00	160,000.00	\$ 176,000.00	100%		\$ -
15	Topsoil Replacement/fine grade	CY	10,000	\$ 10.00	\$ 100,000.00		\$ -	0%		\$ -
16	Rock Excavation	CY	9,750	\$ 10.00	\$ 97,500.00	9,750.00	\$ 97,500.00	100%		\$ -
Site Grading Sub Total					\$ 850,500.00		\$ 750,500.00	88%		\$ -

Retention Ponds		Unit	Quantity	Unit cost	Total					
17	Rock Excavation	CY	10,000	\$ 10.00	\$ 100,000.00	10,000.00	\$ 100,000.00	100%		\$ -
18	Dirt Excavation	CY	5,000	\$ 2.25	\$ 11,250.00	5,000.00	\$ 11,250.00	100%		\$ -
19	Faircloth skimmers	LS	3	\$ 10,000.00	\$ 30,000.00	3.00	\$ 30,000.00	100%		\$ -
20	Storm structure	LS	3	\$ 5,000.00	\$ 15,000.00	3.00	\$ 15,000.00	100%		\$ -
Retention Ponds Sub Total					\$ 156,250.00		\$ 156,250.00	100%		\$ -

Natural Trails and Eight Lighted Tennis Courts		Unit	Quantity	Unit cost	Total					
21	Tennis Courts	LS	1	\$ 640,000.00	\$ 640,000.00		\$ -	0%		\$ -
22	Retaining Walls at Tennis Courts	LS	1	\$ 170,000.00	\$ 170,000.00		\$ -	0%		\$ -
23	Natural trail 10' Approx. 5 = miles	SY	33,710	\$ 12.00	\$ 404,520.00		\$ -	0%		\$ -
Trails and Tennis Courts Sub Total					\$ 1,214,520.00		\$ -	0%		\$ -

**ESTIMATE OF WORK COMPLETE
FOR PERIOD: January & February**

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ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
	Waterline	Unit	Quantity	Unit cost	Total					
22	Connect to Existing water line	1	1	\$ 750.00	\$ 750.00	1.00	\$ 750.00	100%		\$ -
23	12" C900 DR14 Water line	LF	7,642	\$ 36.87	\$ 281,760.54	7,654.00	\$ 282,202.98	100%		\$ -
24	8" PVC C900 DR14 Water line	LF	472	\$ 29.00	\$ 13,688.00	486.00	\$ 14,094.00	103%		\$ -
25	3" M.J. Gate Valve	EACH	2	\$ 500.00	\$ 1,000.00	2.00	\$ 1,000.00	100%		\$ -
26	6" M.J. Gate Valve	EACH	2	\$ 825.00	\$ 1,650.00	2.00	\$ 1,650.00	100%		\$ -
27	8" M.J. Gate Valve	EACH	2	\$ 1,300.00	\$ 2,600.00	2.00	\$ 2,600.00	100%		\$ -
28	12" MJ Gate Valve	EACH	33	\$ 1,500.00	\$ 49,500.00	33.00	\$ 49,500.00	100%		\$ -
29	Fire Hydrant Assembly	EACH	17	\$ 3,300.00	\$ 56,100.00	18.00	\$ 59,400.00	106%		\$ -
30	Private Fire Hydrant Assembly (Painted Red)	EACH	2	\$ 3,300.00	\$ 6,600.00	2.00	\$ 6,600.00	100%		\$ -
31	Flowable Fill	LS	1	\$ 26,910.00	\$ 26,910.00	0.64	\$ 17,222.40	64%		\$ -
32	2" Curb Stop with Auto Flusher and RIPRAP	LS	1	\$ 6,000.00	\$ 6,000.00	1.00	\$ 6,000.00	100%		\$ -
33	Water Meter Pits	LS	1	\$ 20,303.11	\$ 20,303.11	1.00	\$ 20,303.11	100%		\$ -
34	Concrete Encasement	LF	20	\$ 60.00	\$ 1,200.00	20.00	\$ 1,200.00	100%		\$ -
	Waterline Sub Total				\$ 468,061.65		\$ 462,522.49	99%		\$ -

	Sanitary Sewer	Unit	Quantity	Unit cost	Total					
35	8" SDR26 PVC granular embedment	LF	2,019	\$ 44.00	\$ 88,836.00	2,019.00	\$ 88,836.00	100%		\$ -
36	STD Manhole 4' DIA, 6' Depth	EACH	8	\$ 2,000.00	\$ 16,000.00	8.00	\$ 16,000.00	100%		\$ -
37	Extra Depth 4' DIA Manhole	VF	12.46	\$ 100.00	\$ 1,246.00	16.05	\$ 1,605.00	129%		\$ -
38	Drop Manhole 5' DIA 6' Depth	EACH	1	\$ 2,970.00	\$ 2,970.00	1.00	\$ 2,970.00	100%		\$ -
39	Extra Depth 5' DIA Manhole	VF	6.3	\$ 110.00	\$ 693.00	6.30	\$ 693.00	100%		\$ -
40	6" Service Line	EACH	4	\$ 500.00	\$ 2,000.00	4.00	\$ 2,000.00	100%		\$ -
41	Connect to Existing Manhole	EACH	1	\$ 500.00	\$ 500.00	1.00	\$ 500.00	100%		\$ -
42	Concrete Collars	EACH	7	\$ 570.00	\$ 3,990.00	7.00	\$ 3,990.00	100%		\$ -
43	Flowable Mortar Backfill	CY	403	\$ 70.00	\$ 28,210.00	560.00	\$ 39,200.00	139%		\$ -
44	Seed, Fertilize, Mulch and Erosion Netting	LS	1	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00	100%		\$ -
45	Construction Staking	No Bid	No Bid	No Bid	No Bid					
46	Rip Rap Erosion Protection	LS	1	\$ 2,500.00	\$ 2,500.00	1.00	\$ 2,500.00	100%		\$ -
47	Concrete Encasement	LF	45	\$ 50.00	\$ 2,250.00	45.00	\$ 2,250.00	100%		\$ -
48	Impervious Ditch Check	LS	1	\$ 750.00	\$ 750.00	1.00	\$ 750.00	100%		\$ -
49	Polyurethane Manhole Lining	LS	1	\$ 7,397.50	\$ 7,397.50	1.00	\$ 7,397.50	100%		\$ -
	Sanitary Sewer Sub Total				\$ 162,842.50		\$ 174,191.50	107%		\$ -

**ESTIMATE OF WORK COMPLETE
FOR PERIOD: January & February**

DATE: February 28, 2014

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ESTIMATE ON LUMP SUM & GRADING ITEMS

ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
Storm Sewer		Unit	Quantity	Unit cost	Total					
50	15" HDPE	LF	38	\$ 23.75	\$ 902.50	38.00	\$ 902.50	100%		\$ -
51	15" Reinforced Concrete Pipe	LF	79	\$ 24.75	\$ 1,955.25	79.00	\$ 1,955.25	100%		\$ -
52	18" HDPE	LF	87	\$ 24.00	\$ 2,088.00	87.00	\$ 2,088.00	100%		\$ -
53	18" Reinforced Concrete Pipe	LF	76	\$ 25.00	\$ 1,900.00	76.00	\$ 1,900.00	100%		\$ -
54	24" HDPE	LF	706	\$ 30.00	\$ 21,180.00	706.00	\$ 21,180.00	100%		\$ -
55	24" Reinforced Concrete Pipe	LF	38	\$ 32.00	\$ 1,216.00	38.00	\$ 1,216.00	100%		\$ -
56	30" HDPE	LF	19	\$ 39.00	\$ 741.00	19.00	\$ 741.00	100%		\$ -
57	48" Reinforced Concrete Pipe	LF	103	\$ 105.00	\$ 10,815.00	103.00	\$ 10,815.00	100%		\$ -
58	15" RCP End Section	EACH	1	\$ 450.00	\$ 450.00	1.00	\$ 450.00	100%		\$ -
59	30" RCP End Section	EACH	1	\$ 450.00	\$ 450.00	1.00	\$ 450.00	100%		\$ -
60	48" RCP End Section	EACH	2	\$ 1,900.00	\$ 3,800.00	2.00	\$ 3,800.00	100%		\$ -
61	5'x4' Curb Inlet	EACH	6	\$ 2,025.00	\$ 12,150.00	6.00	\$ 12,150.00	100%		\$ -
62	10'x4' Curb Inlet	EACH	3	\$ 3,252.00	\$ 9,756.00	3.00	\$ 9,756.00	100%		\$ -
63	4'x4' Junction Box	EACH	1	\$ 2,185.00	\$ 2,185.00	1.00	\$ 2,185.00	100%		\$ -
64	18" NOM DIA Rip Rap	SY	84	\$ 25.00	\$ 2,100.00	84.00	\$ 2,100.00	100%		\$ -
65	Flowable fill	LS	1	\$ 11,000.00	\$ 11,000.00	1.00	\$ 11,000.00	100%		\$ -
Storm Sewer Sub Total					\$ 82,688.75		\$ 82,688.75	100%		\$ -
Parking Lot Lights		Unit	Quantity	Unit cost	Total					
66	LED - Dual Fixtures	LS	1	\$ 120,000.00	\$ 120,000.00		\$ -	0%		\$ -
67	Pole Bases	LS	1	\$ 25,000.00	\$ 25,000.00		\$ -	0%		\$ -
68	Conduit	LS	1	\$ 40,000.00	\$ 40,000.00	0.80	\$ 32,000.00	80%		\$ -
69	Conduit Westar	LS	1	\$ 25,000.00	\$ 25,000.00	0.50	\$ 12,500.00	50%		\$ -
70	Conduit for Fiber	LF	1	\$ -	\$ -		\$ -	0%		\$ -
71	Electric Service - labor	LS	1	\$ 30,000.00	\$ 30,000.00		\$ -	0%		\$ -
Parking Lot Lights Sub Total					\$ 240,000.00		\$ 44,500.00	19%		\$ -
Landscaping		Unit	Quantity	Unit cost	Total					
72	Trees	EACH	450	\$ 425.00	\$ 191,250.00		\$ -	0%		\$ -
73	Shrubs	EACH	710	\$ 60.00	\$ 42,600.00		\$ -	0%		\$ -
74	Site Entry signs	LS	1	\$ 150,000.00	\$ 150,000.00		\$ -	0%		\$ -
75	Irrigation	LS	1	\$ 100,000.00	\$ 100,000.00	0.50	\$ 50,000.00	50%		\$ -

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				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
76	Misc	LS	1	\$ 100,000.00	\$ 100,000.00		\$ -	0%		\$ -
	Landscaping Sub Total				\$ 583,850.00		\$ 50,000.00	9%		\$ -

	Rock Chalk Drive & George Williams	Unit	Quantity	Unit cost	Total					
77	Unclassified excavation	CY	15,934	\$ 5.00	\$ 79,670.00	15,934.00	\$ 79,670.00	100%		\$ -
78	Compacted fill	CY	1,790	\$ 1.00	\$ 1,790.00	1,790.00	\$ 1,790.00	100%		\$ -
79	Site restoration	LS	1	\$ 5,000.00	\$ 5,000.00		\$ -	0%		\$ -
80	10" NRDJ Portland cement conc pave	SY	9,758	\$ 55.00	\$ 536,690.00	9,249.00	\$ 508,695.00	95%		\$ -
81	Type CG-1 Concrete curb & gutter	LF	6,257	\$ 16.00	\$ 100,112.00	6,096.00	\$ 97,536.00	97%		\$ -
82	4" x 5' Concrete sidewalk	SY	40	\$ 30.00	\$ 1,200.00		\$ -	0%		\$ -
83	6" x 10' Fiber reinforced conc sdwk	SY	4,078	\$ 40.00	\$ 163,120.00		\$ -	0%		\$ -
84	Access ramps	EACH	13	\$ 1,000.00	\$ 13,000.00		\$ -	0%		\$ -
85	Compaction tests street	LS	5	\$ 100.00	\$ 500.00	5.00	\$ 500.00	100%		\$ -
86	Construction Staking	No Bid	No Bid	No Bid	No Bid					
87	Seed, Fertilize & Mulch	LS	1	\$ 4,000.00	\$ 4,000.00		\$ -	0%		\$ -
88	Clearing, Grubbing & Tree Removal	LS	1	\$ 1,250.00	\$ 1,250.00	1.00	\$ 1,250.00	100%		\$ -
89	Treatment of subgrade 12" fly ash & 4"AB3	SY	11,825	\$ 9.33	\$ 110,327.25		\$ -	0%		\$ -
90	Erosion Control	LS	1	\$ 2,670.00	\$ 2,670.00		\$ -	0%		\$ -
91	Section Corner Monument Box	LS	1	\$ 1,000.00	\$ 1,000.00		\$ -	0%		\$ -
92	2" Conduit	LF	1,701	\$ 2.00	\$ 3,402.00		\$ -	0%		\$ -
93	4" Conduit	LF	997	\$ 2.00	\$ 1,994.00		\$ -	0%		\$ -
94	Traffic Control Signage	LS	1	\$ 500.00	\$ 500.00		\$ -	0%		\$ -
					\$ 1,026,225.25		\$ 689,441.00	67%		\$ -

	Overflow Parking Lot	Unit	Quantity	Unit cost	Total					
95	Concrete access ramps	SY	464	\$ 50.00	\$ 23,200.00		\$ -	0%		\$ -
96	Lot Grading	LS	1	\$ 25,000.00	\$ 25,000.00		\$ -	0%		\$ -
97	Temporary Gravel Laydown	LS	1	\$ 20,000.00	\$ 20,000.00		\$ -	0%		\$ -
	Overflow Parking Lot Sub Total				\$ 68,200.00		\$ -	0%		\$ -

	Parking Lot/ Access Drives	Unit	Quantity	Unit cost	Total					
98	Concrete parking lot	SY	44,356	\$ 44.00	\$ 1,951,664.00	41,775.00	\$ 1,838,100.00	94%		\$ -
99	CG-1 curb and gutter	LF	15,338	\$ 18.00	\$ 276,084.00	7,676.50	\$ 138,177.00	50%		\$ -
100	Concrete parking and Bus lane	SY	7,337	\$ 50.00	\$ 366,850.00	3,971.00	\$ 198,550.00	54%	479.00	\$ 23,950.00

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				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
101	Fire lane / Access roads	SY	8,593	\$ 44.00	\$ 378,092.00		\$ -	0%		\$ -
102	Storm Sewer	LS	1	\$ 157,000.00	\$ 157,000.00	0.62	\$ 97,340.00	62%		\$ -
103	Trim Subgrade	SY	65,393	\$ 1.25	\$ 81,741.25	61,002.00	\$ 76,252.50	93%		\$ -
104	Treatment of subgrade - 12"Fly ash & 4" AB3	SY	65,425	\$ 9.33	\$ 610,415.25	46,887.00	\$ 437,455.71	72%		\$ -
Parking Lot/ Access Drives Sub Total						\$ 3,821,846.50		\$ 2,785,875.21	73%	\$ 23,950.00

Rock Chalk Lane and Rock Chalk Parkway		Unit	Quantity	Unit cost	Total					
105	Unclassified excavation	CY	3,017	\$ 5.00	\$ 15,085.00	3,017.00	\$ 15,085.00	100%		\$ -
106	Compacted fill	CY	2,920	\$ 1.00	\$ 2,920.00	2,920.00	\$ 2,920.00	100%		\$ -
107	Site restoration	LS	1	\$ 5,000.00	\$ 5,000.00		\$ -	0%		\$ -
108	8" NRDJ Portland cement	SY	9,524	\$ 50.00	\$ 476,200.00	8,254.00	\$ 412,700.00	87%		\$ -
109	CG-1 curb and gutter	LF	5,109	\$ 16.00	\$ 81,744.00	4,561.00	\$ 72,976.00	89%		\$ -
110	6" x 10' Fiber rec path	SY	5,163	\$ 40.00	\$ 206,520.00		\$ -	0%		\$ -
111	4" x 5' Sidewalk	SY	195	\$ 30.00	\$ 5,850.00		\$ -	0%		\$ -
112	Access ramps	EACH	51	\$ 1,000.00	\$ 51,000.00		\$ -	0%		\$ -
113	Treatment of subgrade - 12" fly ash & 4"AB3	SY	10,800	\$ 9.33	\$ 100,764.00	9,192.00	\$ 85,761.36	85%		\$ -
					\$ 945,083.00		\$ 589,442.36	62%		\$ -

Chip and Seal County Road		Unit	Quantity	Unit cost	Total					
114	Chip and Seal	SY	10,000	\$ 1.80	\$ 18,000.00		\$ -	0%		\$ -
Chip and Seal County Road Sub Total					\$ 18,000.00		\$ -	0%		\$ -

Rec Center Pad		Unit	Quantity	Unit cost	Total					
115	Rock Excavation	CY	18,000	\$ 10.00	\$ 180,000.00	18,000.00	\$ 180,000.00	100%		\$ -
116	Dirt Excavation	CY	10,000	\$ 2.25	\$ 22,500.00	10,000.00	\$ 22,500.00	100%		\$ -
117	Compaction	CY	8,500	\$ 1.10	\$ 9,350.00	8,500.00	\$ 9,350.00	100%		\$ -
118	Fly Ash 18"	SY	12,000	\$ 8.00	\$ 96,000.00	12,000.00	\$ 96,000.00	100%		\$ -
119	AB3 Entire building Pad	SY	20,100	\$ 4.00	\$ 80,400.00	20,100.00	\$ 80,400.00	100%		\$ -
120	AB3 Additional depth rock area	SY	8,000	\$ 5.50	\$ 44,000.00	8,000.00	\$ 44,000.00	100%		\$ -
					\$ 432,250.00		\$ 432,250.00	100%		\$ -

GRAND TOTAL					\$ 12,265,168.65		\$ 6,635,871.31	54%		\$ 23,950.00
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**ESTIMATE OF WORK COMPLETE
FOR PERIOD: January & February**

DATE: February 28, 2014

ESTIMATE No.: 7

PROJECT LOCATION: Rock Chalk Site Work

ESTIMATE ON LUMP SUM & GRADING ITEMS

ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
	General Total	\$	418,210.00	19%	\$	2,194,851.00				
	Site Grading Total	\$	750,500.00	88%	\$	850,500.00				
	Retention Ponds Total	\$	156,250.00	100%	\$	156,250.00				
	Eight Lighted Tennis Courts Total	\$	-	0%	\$	1,214,520.00				
	Waterline Total	\$	462,522.49	99%	\$	468,061.65				
	Sanitary Sewer Total	\$	174,191.50	107%	\$	162,842.50				
	Storm Sewer Total	\$	82,688.75	100%	\$	82,688.75				
	Parking Lot Lights Total	\$	44,500.00	19%	\$	240,000.00				
	Landscaping Total	\$	50,000.00	9%	\$	583,850.00				
	Rock Chalk Drive and George Williams Way Total	\$	689,441.00	67%	\$	1,026,225.25				
	Overflow Parking Lot Total	\$	-	0%	\$	68,200.00				
	Parking Lot/ Access Drives Total	\$	2,785,875.21	73%	\$	3,821,846.50				
	Rock Chalk Lane and Rock Chalk Parkway Total	\$	589,442.36	62%	\$	945,083.00				
	Chip and Seal County Road Total	\$	-	0%	\$	18,000.00				
	Rec Center Pad Total	\$	432,250.00	100%	\$	432,250.00				
	Grand Total	\$	6,635,871.31	54%	\$	12,265,168.65				

CHANGE ORDERS:				CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT
1	4" Conduit	LF	10000		\$ -	7737	\$ -		\$ -	
2	3" Conduit for Security Cameras	LF	600		\$ -	600	\$ -		\$ -	
3	Treatment of subgrade 9" flyash RCD & GWW	SY	11825		\$ -	11211	\$ -	95%	\$ -	
4	12" HDPE Storm Pipe	LF	42		\$ -	42	\$ -	100%	\$ -	
5	12" CMP End Section	EA	1		\$ -	1	\$ -	100%	\$ -	
6	Subgrade 12" Crushed Conc. Parking Lot	SY			\$ -	5998	\$ -		\$ -	
CHANGE ORDER TOTAL:					\$ -		\$ -		\$ -	

GRAND TOTAL					\$ 12,265,168.65		\$ 6,635,871.31		\$ 23,950.00
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**ESTIMATE OF WORK COMPLETE
FOR PERIOD: January & February**

DATE: February 28, 2014

ESTIMATE No.: 7

PROJECT LOCATION: Rock Chalk Site Work

ESTIMATE ON LUMP SUM & GRADING ITEMS

ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACTED		COMPLETED TO DATE		Percent Complete	COMPLETED THIS PAY PERIOD	
				UNIT PRICE	AMOUNT	UNIT	AMOUNT		UNIT	AMOUNT

AMOUNT OF CURRENT CONTRACT: \$ 12,265,168.65

AMOUNT OF ORIGINAL CONTRACT: \$ 12,265,168.65

TOTAL WORK COMPLETED TO DATE: \$ 6,635,871.31

TOTAL PREVIOUS PAYMENTS: \$ -

AMOUNT COMPLETED THIS PAY PERIOD: \$ 23,950.00

**CITY OF LAWRENCE, KANSAS
PUBLIC WORKS DEPARTMENT
CONSTRUCTION CONTRACT CHANGE ORDER**

Project Number and Name PW1315 Infrastructure and
Rock Chalk Park Site Work

Change Order No 1 **Date** 2/10/2014

Contractor Name & Address Bliss Sports II

The following changes are being made to the referenced construction contract: that are not included in the original unit price bid items:

Item No.	Description	Units	Unit Cost	Quantity (+/-)	Cost of Change Order Items (\$)
1	4" Conduit for fiber	LF		10000	
2	3" Conduit for Security Cameras	LF		600	
3	Subgrade 9" Flyash RCD & GWW	SY		11825	
4	12" HDPE Storm Pipe	LF		42	
5	12" CMP End Section	EA		1	
6	Subgrade 9" Crushed Conc. Parking	SY		5998	

Original Contract Amount	\$12,265,168.65
Net Change by Previous Change Order(s)	\$0.00
Net Change by This Change Order	
New Contract Amount	\$12,265,168.65

Original Contract Time or Completion Date	
Net Change by Previous Change Order(s)	
Net Change by This Change Order	
New Contract Time or Completion Date	

Approved By:

Contractor

Date: _____

City Engineer

Date: _____



City of Lawrence

PUBLIC WORKS

DAVID L. CORLISS
CITY MANAGER

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CITY COMMISSION

MAYOR
MICHAEL DEVER

COMMISSIONERS
MIKE AMYX
JEREMY FARMER
DR. TERRY RIORDAN
ROBERT J. SCHUMM

March 19, 2014

Bliss Sports
643 Massachusetts Street, Suite 300
Lawrence, KS 66044

Dear Bliss Sports,

This letter summarizes the criteria for infrastructure completion required for approval of a Temporary Certificate of Occupancy (TCO) permit for the Kansas Relays. Additionally, this letter outlines guidelines for acceptance of infrastructure work needed prior to completion of project. City inspection staff should be notified prior to completion of work to inspect repairs.

Infrastructure completion required for TCO

- Repairs to panels of concrete on Rock Chalk Drive with uncontrolled cracks affecting 13 panels of pavement. Work includes removal of cracked panels and replacement of concrete with reinstallation of dowel bars on transverse joints.
- Completion of street intersections connecting both public and private streets. Work includes concrete approach pavement and curb and gutter through the return radius at the following intersections:
 - Rock Chalk Drive & County Road E. 902
 - Rock Chalk Drive & Access Drive that leads to south of track facility
 - Rock Chalk Drive & Rock Chalk Lane
 - Rock Chalk Drive & George Williams Way
 - Rock Chalk Lane & west parking lot
- Repairs to intersection of George Williams Way and Rock Chalk Parkway. Work includes removal of concrete joint that was installed incorrectly on November 30, 2013 as detailed in the November Monthly Report. An additional concrete panel will need to be replaced due to incorrect saw cutting that was installed incorrectly (see Sheet 9 of PW1315 Public Improvement Plans) and has potential to cause future maintenance problems. City staff can meet at location with Bliss Sports prior to work to agree on method of replacement.



- Joint sealing all sawed joints on Rock Chalk Drive and George Williams Way. Work to comply with City of Lawrence Standards Section 1400 - Concrete Pavement. Joint Sealing Compound shall conform to the specification in Section 1402D and material should be submitted to City for approval before use.
- Public sidewalks leading to the facilities being used for Kansas Relays.
- Completion of curb and gutter tie-ins to all storm sewer inlets on public and private streets and in parking lots that will be used for Kansas Relays.
- Appropriate permanent traffic control signs will need to be installed. The city will assist on determining what signage is needed.

In addition to the infrastructure completion, the City will require executed change orders 1 through 6 provided to Bliss Sports on February 11, 2014 for approval of a TCO.

Guidelines for acceptance of infrastructure work

In addition to the repairs required for the TCO, the following work items need to be completed before final acceptance. **Note this is not an exhaustive list but general guidelines.**

- Excavation of silt from three retention ponds to establish full design capacity per plan elevations.
- Completion of tennis courts and natural running trail.
- Completion of all storm sewer structures with repairs made to inlets damaged during construction.
- Installation of parking lot lights.
- Completion of landscaping.
- Repairs made to concrete pavement and curb and gutter in parking lot. Pavement that developed uncontrolled cracks shall be replaced. Each area will be evaluated individually and the contractor may be allowed to make repairs to cracked pavement and/or a reduction in payment for the concrete pavement may be negotiated with City Commission approval. All damaged sections to be removed shall be sawed a minimum of three feet from a joint or removed to the nearest joint.
- Chip and seal of County Rd E902.
- Cleanup of site and surrounding area from trash and debris.

- Repair core holes with pre-approved non-shrink grout.
- The City will core public streets, private streets and parking lot to evaluate thickness of pavement and subgrade. If thickness varies from approved plans repairs will be required or a reduction in payment may be negotiated with City Commission approval.
- The City receiving a copy of all submittals for materials and testing that has been completed.
- The City receiving a copy of all concrete batch tickets.

We look forward to working with you for the Kansas Relays and towards completion of the project.

Sincerely,

A handwritten signature in black ink that reads "David P. Cronin". The signature is written in a cursive style with a large, looping initial "D".

David P. Cronin, P.E.
City Engineer