

# Oklahoma City Tennis Center Improvements Will Rogers Park

Project No. MP-0449

## Preliminary Report

May 2015

Prepared for:



City of Oklahoma City

Prepared by:



116 E Sheridan, Suite 100  
Oklahoma City, OK 73104  
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**THE CITY OF OKLAHOMA CITY**

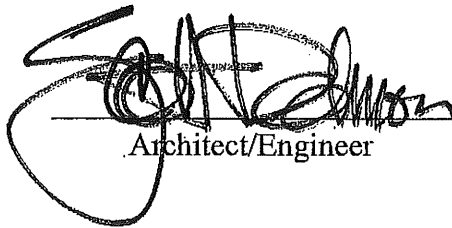
**APPROVAL SHEET**

**MP-0449**

**Oklahoma City Tennis Center Improvements  
Will Rogers Park**


Prepared by:

**ADG, Inc.  
116 E. Sheridan Avenue, Suite 100  
Oklahoma City, OK 73104**

  
Architect/Engineer



Recommended for Approval

  
Eric J. Wenger, P.E., Director  
Public Works/City Engineer

**APPROVED** by the Mayor and City Council of the City of Oklahoma City this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

**ATTEST:**

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor

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# Acknowledgements

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The design of the Oklahoma City Tennis Center Improvements has involved a concerted effort on the part of several individuals representing a variety of organizations.

Each member of the Project Design Team is indebted to the following organizations and their respective staff members for the cooperation, guidance, and input they have offered us.

Therefore, we wish to acknowledge and thank the following individuals for their participation in the development of this Preliminary Report:

## **First Serve OKC**

- Mark Allen

## **Sold Out Strategies**

- Brad Lund

## **The City of Oklahoma City**

- Terry Ash , Project Manager
- Jim Lewellyn, P.E., Program Manager

# Design Team

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## **Architect**

ADG, Inc.  
116 E. Sheridan, Suite 100  
Oklahoma City, OK 73104  
Phone: 405.232.5700

## **Structural**

KFC Engineering, LLC  
205 NW 63rd, Suite 390  
Oklahoma City, OK 73116  
Phone: 405.528.4596

## **Civil**

ADG, Inc.  
116 E. Sheridan, Suite 100  
Oklahoma City, OK 73104  
Phone: 405.232.5700

## **Electrical**

Horner Associates Engineers, Inc.  
1306 Commerce Drive  
Norman, OK 73071  
Phone: 405.801.2528

## **Landscape Architect**

PDG, Inc.  
5314 S. Yale Ave., Ste. 710  
Tulsa, OK 74135  
Phone: (918) 628-1255

## **Mechanical and Plumbing**

ADG, Inc.  
116 E. Sheridan, Suite 100  
Oklahoma City, OK 73104  
Phone: 405.232.5700

## **Cost Estimating**

White and Associates  
120 E. Sheridan, Suite 201  
Oklahoma City, OK 73104  
Phone: 405.602.1212



# Executive Summary

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## Project MP-0449

### Oklahoma City Tennis Center Improvements

#### Scope

The City of Oklahoma City has engaged ADG, Inc. to provide architectural and engineering services for Oklahoma City tennis Center Improvements project. The complex is located at Will Rogers Park on the south west corner of NW 36<sup>th</sup> Street and N. Portland Ave. on Pat Murphy Drive. This project is funded with private donations matched by public funding.

The Oklahoma City Tennis Center Improvements project has been separated into three (3) phases. Phase 1 is the design and construction of the three (3) full-size courts and the six (6) Junior-sized outdoor courts. Phase 2 is the design and construction of an indoor structure that will provide six (6) full-size courts. Phase 3 is the design and construction of a new Clubhouse and Pro Shop with a Snack Bar adjacent the indoor courts building.

Phase 3 is currently not funded. The funding available shall be used for Phases 1 and 2 only. Phase 3 is included in this report only to represent a complete description of the overall Master Plan for the Oklahoma City Tennis Center.

Phase 1 Outdoor Courts consists of approximately 35,000 square feet of courts and associated concrete walkways connecting these new courts to the existing courts. The Phase 2 indoor facility is approximately 38,000 square feet. The future Phase 3 clubhouse is approximately 5,000 square feet with a 3,200 square foot observation deck.

#### Construction Budget and Estimate

This project is funded with both Private and Public Funding. Private funding for this project is \$2,000,000 with matching Public funds of \$2,000,000 for a total Project Budget of \$4,000,000. Of this, the funds available for the construction of these improvements include \$520,000 for Phase 1 and \$3,019,452, for Phase 2. This project has allocated 1% for Art based on this construction budget. Phase 3 of this project is not currently funded. A breakdown of costs is as follows:

Phase 1:	\$520,000
Phase 2:	\$2,899,555
Art:	\$31,500
Contingency:	\$220,618
Soft Costs:	\$328,310

The Preliminary Report estimate for the Tennis Center Improvement Phases are: Phase 1 – Outdoor Court Improvements: \$519,864; Phase 2 – Indoor Court: \$2,904,368. No plans, other than conceptual drawings, have been completed for the Phase 3 New Clubhouse and Pro Shop with Snack Bar.

## Project Schedule

May, 2015	Preliminary Report Approved
June, 2015	Final Plans Approved
June, 2015	Bid Opening
July, 2015	Award Contract – Begin Construction
November, 2015	Construction Complete

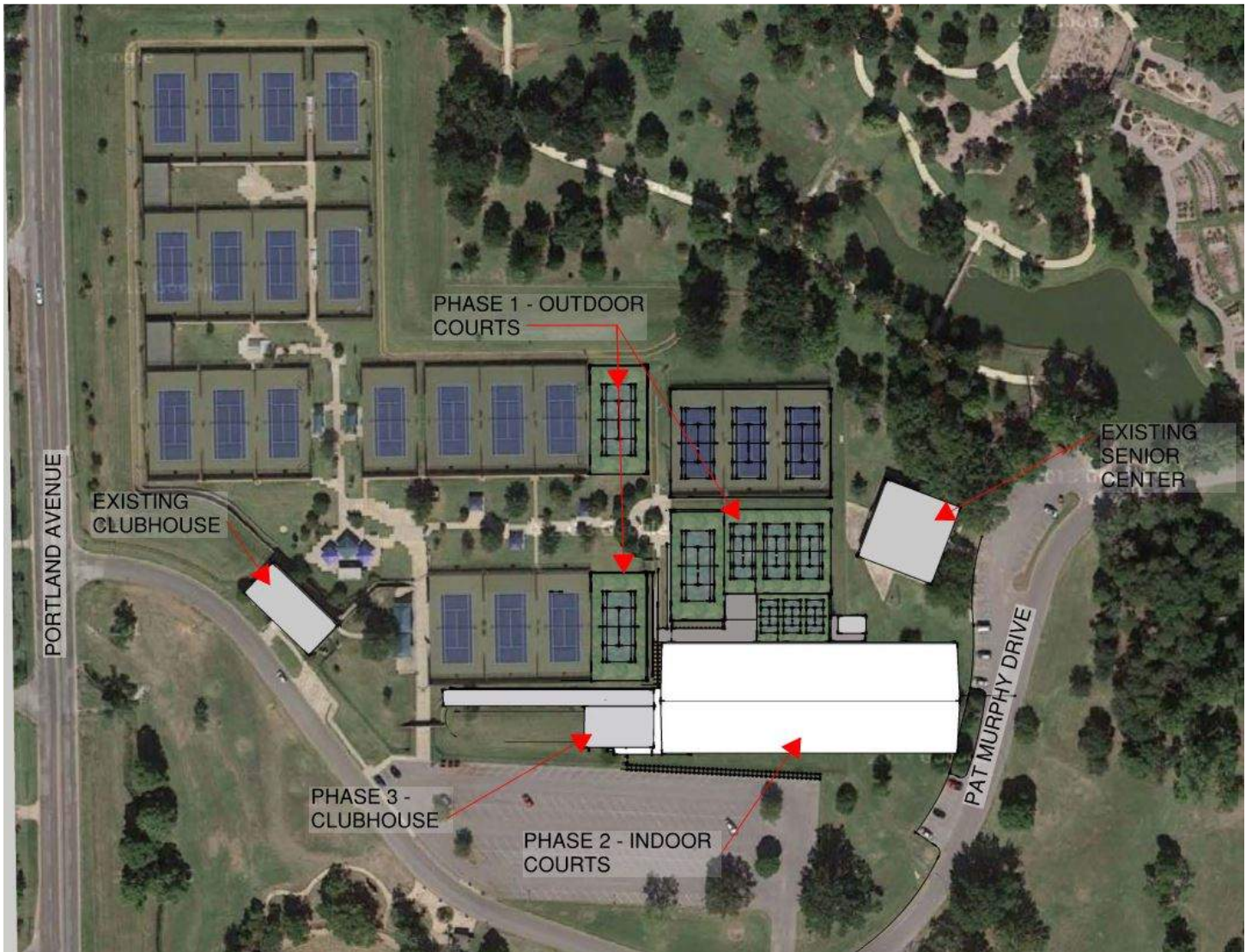
A complete Project Schedule for the Oklahoma City Tennis Center Improvements is included in the Schedule section of this report.

## Conclusion

ADG and the design team members are grateful for the collaboration with various representatives from the City of Oklahoma City Public Works Department and Parks and Recreation Department . Without this coordinated effort, the design of this important project would not have been as successful.

The design team respectfully submits the Preliminary Design Report and recommends an approval and authorization to proceed with the Final Plans.

# Project Location Map



Overall Site Plan





## Architectural

### Phase 1 – Outdoor Courts

The proposed outdoor courts are to be located at the east ends of two existing courts and 7 courts located between the far east existing full-size courts. These courts shall meet USTA standards for outdoor courts. New light poles and relocated light poles shall illuminate these new courts.

### Phase 2 – Fabric Structure for Indoor Courts

The proposed structure shall cover six (6) full-size indoor tennis courts. This structure will be located immediately south of the 7 courts constructed in Phase 1 located between the far east existing full-size courts. Three (3) east existing full-size courts will be required to be demolished for the fabric structure. The indoor courts shall meet USTA standards for indoor courts for required clearances around the courts and lighting/illumination levels.

The existing Clubhouse and Pro-Shop will remain the primary access to the facility until the Phase 3 future Clubhouse and Pro-Shop is constructed, but new concrete walkways are proposed to be provided from the existing parking lot to the structure's entrance. This walk will be gated until the Phase 3 Clubhouse and Pro Shop is constructed to monitor this entry point.

The Indoor Courts Building has a building footprint of 38,000 square feet. An existing parking lot immediately south of the site provides adequate parking spaces. New handicapped parking spaces will be provided at the location of the new walk to the fabric structures entrance.

The majority of the interior finishes are prefinished materials and raw materials will be painted. The colors selected shall be in conformance with the US Tennis Association recommendations.

## Structural

### Phase 1 – Outdoor Courts

The proposed outdoor courts will consist of post-tensioned concrete slabs. The design of these slabs will meet performance recommendations provided in the geotechnical report for this site.

### Phase 2 – Structure for Indoor Courts

The foundation of the Indoor Courts Building will most likely consist of concrete spread footings with a ground-supported post-tensioned concrete slab. The foundation system will be designed in accordance with recommendations provided in the geotechnical report for this site and column reactions provided by the fabric structure manufacturer. A concrete retaining wall will be located along the east end of the site at significant grade elevation differences.

### Phase 3 – Clubhouse, Pro Shop, Snack Bar, and Observation Deck

The Phase 3 structure will likely consist of steel beams and columns supported by concrete spread footings with a ground-supported concrete slab. Structural concrete will be utilized for any below-grade earth-retaining walls.



Framing systems for the roof and surrounding canopies will consist of standard bar joists with steel girders. Lateral load resistance of the structure will be provided by braced steel frames.

## **Mechanical and Plumbing**

### **Phase 1 – Outdoor Courts**

Mechanical and plumbing systems are not provided for the outdoor court area.

### **Phase 2 –Structure for Indoor Courts**

A nominal fifty refrigerated ton packaged roof top unit mounted on a concrete slab is located on the east end of the facility. This packaged unit is a single zone VAV unit in accordance with the requirements for ASHRAE 90.1, and will provide better temperature and humidity control in the facility while reducing operating costs. The unit is equipped with modulating gas heating section and a digital scroll compressor on the cooling system. The unit is also equipped with an economizer for providing cooling when outside air conditions are favorable for cooling the facility instead of using mechanical cooling.

A gas line is provided to the heating section of the packaged unit. Condensate from the cooling coil of the unit is drained onto the equipment pad where it will sheet drain to the surrounding grade.

Water and drains are not provided inside the fabric structure.

### **Phase 3 – Clubhouse, Pro Shop, Snack Bar, and Observation Deck**

The clubhouse and pro shop is conditioned with split system air conditioning units and gas fired furnaces. Locker room and toilet areas are exhausted in accordance with the requirements of the International Mechanical Code. Depending on the configuration of the snack bar and the food items sold, a stainless steel exhaust hood with an upblast exhaust fan for the hood may be required. Depending on the amount of ventilation air required, a small energy recovery unit may be needed to pre-condition the outside air, as split systems have difficulty handling large outside air units that can lead to early equipment failures.

A gas fired hot water heater heats domestic water to 140F for plumbing fixtures. A mixing valve tempers the hot water to 120F before delivery to fixtures. Electronic sensor flush valves and faucets are utilized at toilets, urinals and lavatories. Copper pipe delivers domestic water to the plumbing fixtures. PVC pipe is utilized for sanitary drainage and vent pipe. If PVC pipe is located in a plenum, it will be insulated as required by the building codes.

## **Electrical**

### **Phase 1 – Outdoor Courts**

Pole mounted sports lighting will be reconfigured to the new layout of tennis courts and additional poles will be provided as required to supplement existing lighting. Lighting will be metal halide to match existing. Underground circuiting to new pole light locations will be in buried PVC conduits and will be connected to existing electrical panels and lighting contactor panels. All work will be accomplished in accordance with the National Electric Code and other applicable codes.

## **Phase 2 –Structure for Indoor Courts**

Light fixtures provided will be of linear LED type and will be suspended from structure. Convenience receptacles will be provided at both ends of each tennis court. Circuiting from light fixtures, convenience receptacles and mechanical equipment will be homerun in conduits to electrical panelboards located near the east end of the building. Panelboards will be provided and sized as required for building electrical loads. Panelboards will be fed from utility padmount transformer located on east side of project site. All work will be accomplished in accordance with the NEC and other applicable codes.

## **Phase 3 – Clubhouse, Pro Shop, Snack Bar, and Observation Deck**

Lighting in Clubhouse will likely consist of LED troffers recessed in ceiling, with LED recessed downlights, LED wall brackets to supplement. Convenience receptacles will be located as required throughout building. Power will be provided to concessions equipment as required. All loads will be fed from panelboards located in Phase 3 building. Panelboards will be fed from the utility transformer located at east end of Phase 2 building. All work will be accomplished in accordance with the NEC and other applicable codes.

## **Civil**

### **Phase 1 – Outdoor Courts**

Grading will be done to provide positive drainage from the proposed outdoor courts.

### **Phase 2 –Structure for Indoor Courts**

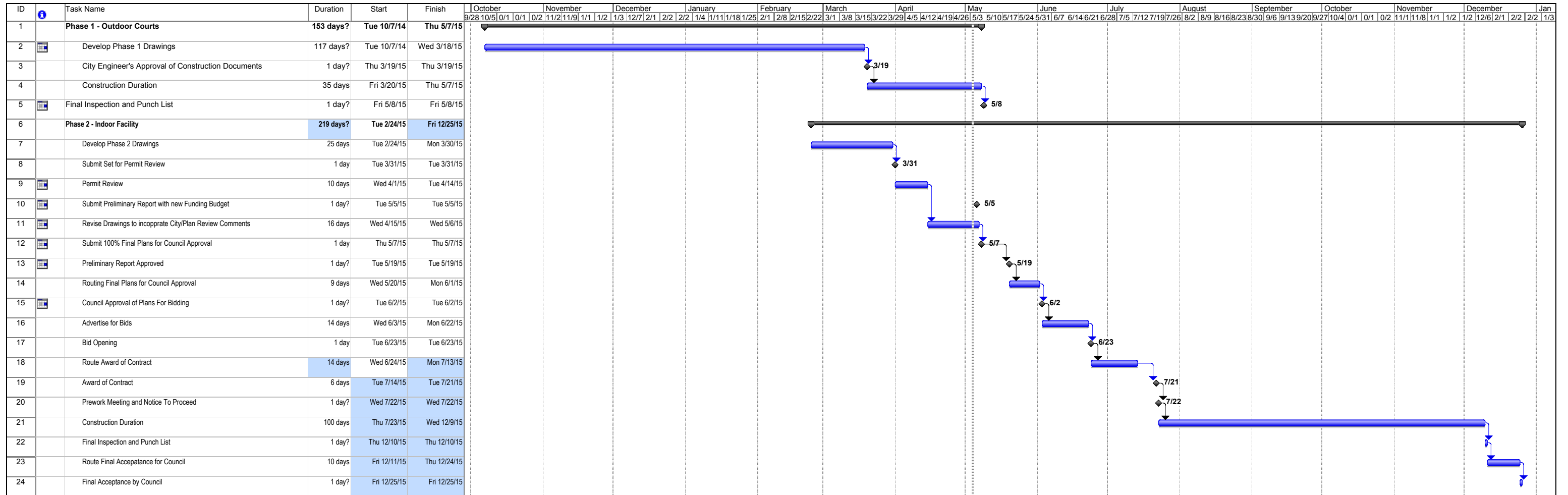
Existing retaining walls will be removed for the construction of the ADA compliant ramp west of the proposed indoor courts facility. A new retaining wall will be provided. The existing stormwater drainage will be relocated around the proposed indoor courts facility and extended to the east. New sidewalks will be provided at the existing parking lot. Existing parking spaces will be removed and new curb added at the southeast corner of the proposed indoor courts facility to provide an area for the transformer and HVAC unit. New ADA compliant parking spaces will be provided at the southwest corner of the indoor facility. New electrical and gas service will be provided for the indoor courts facility and for the future clubhouse. New fencing will be provided around the new structure and tie into the existing fencing. A new fire line will be provided to the facility with 2 new hydrants.

### **Phase 3 – Clubhouse, Pro Shop, Snack Bar, and Observation Deck**

The existing retaining walls will be removed and a new retaining wall will be installed. Sidewalks will be constructed to connect to the existing walks. Gas and Electrical service will be extended to the clubhouse. New sewer connection will be provided to the clubhouse.

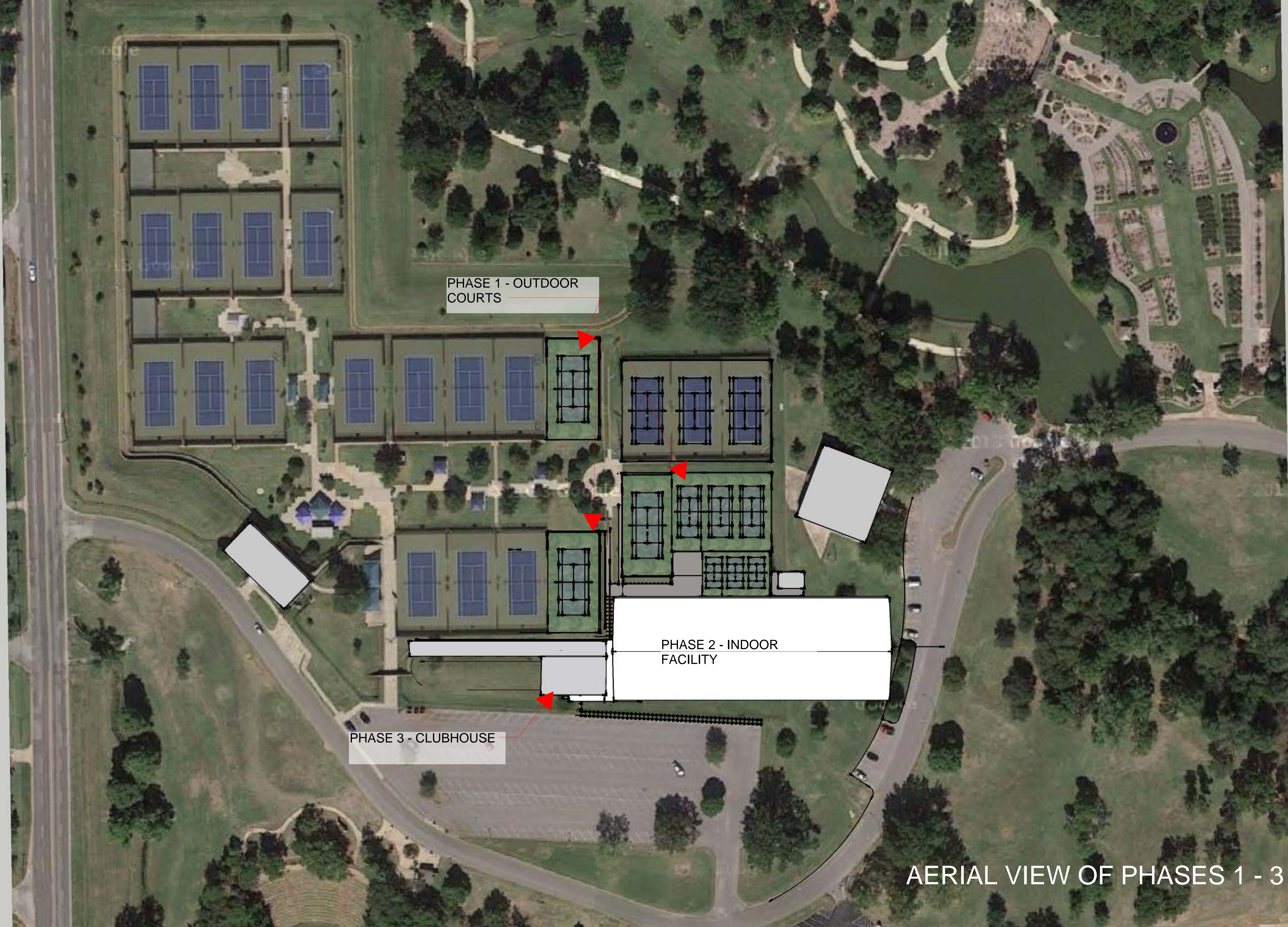
# Project Schedule

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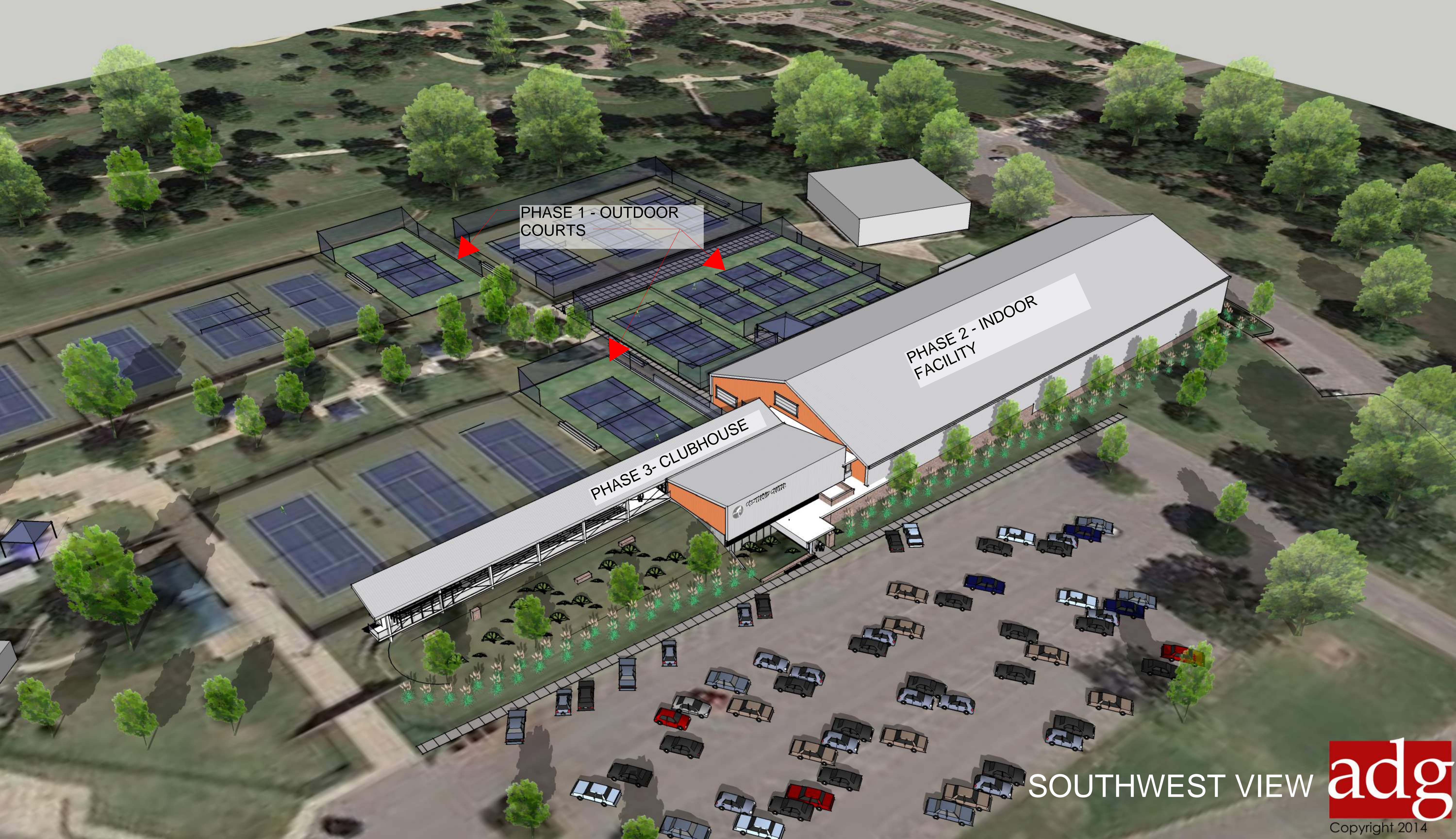
PHASE 1 - OUTDOOR COURTS

PHASE 2 - INDOOR FACILITY

PHASE 3 - CLUBHOUSE

AERIAL VIEW OF PHASES 1 - 3





PHASE 1 - OUTDOOR COURTS

PHASE 2 - INDOOR FACILITY

PHASE 3 - CLUBHOUSE

SOUTHWEST VIEW

adg

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PHASE 3- CLUBHOUSE

PHASE 2 - INDOOR FACILITY

SOUTHEAST VIEW



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PHASE 2 - INDOOR FACILITY

PHASE 3 - CLUBHOUSE

PHASE 1 - OUTDOOR COURTS

NORTHWEST VIEW



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PROPOSED FUTURE PHASE 3  
CLUBHOUSE ENTRY





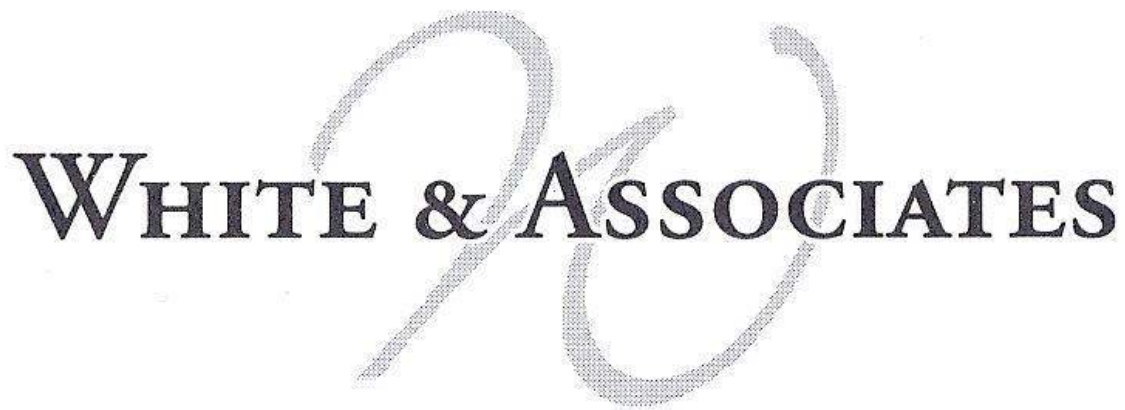
# Phase 1 and Phase 2 Drawings

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**Drawings provided in separate attachment**

# Phase 1 and Phase 2 Cost Estimate

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Will Rogers Indoor Tennis  
Center Conceptual Estimate  
Oklahoma City, Oklahoma  
January 10, 2015 - Phase 1 and  
2 Only

White & Associates  
120 E Sheridan Ste 201  
Oklahoma City OK 73104  
405-602-1212

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Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only			
Building Square Feet	40,000		
<b>PROJECT SUMMARY</b>			
<b>Work Breakdown</b>	<b>Summary</b>	<b>Cost per SF</b>	<b>Remarks</b>
Division 1 - General Conditions	173,400	4.34	
Division 2 - Sitework	387,289	9.68	
Division 3 - Concrete	478,819	11.97	
Division 4 - Masonry	0	0.00	
Division 5 - Metal Fabrications	26,750	0.67	
Division 6 - Wood & Plastics	15,000	0.38	
Division 7 - Moisture Protection	7,153	0.18	
Division 8 - Windows & Doors	23,373	0.58	
Division 9 - Interior Finishes	21,778	0.54	
Division 10 - Specialties	7,382	0.18	
Division 12 - Furnishings	0	0.00	
Division 13 - Tennis and Special Const	990,000	24.75	
Division 14 - Conveying	0	0.00	
Division 15 - Mechanical	120,496	3.01	
Division 16 - Electrical	313,125	7.83	
<b>TOTALS</b>	<b>2,564,564</b>	<b>64.11</b>	
Contractor Fee	128,228	3.21	
Builders Risk Insurance	6,411	0.16	
General Liability	25,646	0.64	
Payment & Performance Bond	25,646	0.64	
Contractor Contingency	128,228	3.21	
Recommended GMP Base Budget	2,904,368.57	72.61	
Phase 1	\$ 399,864.45		
Lighting	\$ 88,000.00		
Pole Bases	\$ 12,000.00		
Landscaping	\$ 14,000.00		
Art	\$ 6,000.00		
Recommended GMP Total Budget	\$ 3,424,233.02	85.61	
Alternate One - Add Restrooms and Concessions	\$ 315,000.00		



Will Rogers Indoor Tennis Center Conceptual Estimate  
 Oklahoma City, Oklahoma  
 January 10, 2015 - Phase 1 and 2 Only  
 Building Square Feet 40,000



SCHEDULE OF VALUES					
Description	Total Estimated Price	Division Totals	Cost per SF	%	
<b>Division 1 - General Conditions</b>		<b>173,400</b>	<b>4.34</b>	<b>7%</b>	
General Conditions	84,000		2.10	48%	
<b>Division 2 - Sitework</b>		<b>387,289</b>	<b>9.68</b>		
Demolition	15,000		0.38	4%	
Erosion / Site Control	24,800		0.62	6%	
Earthwork	53,591		1.34	14%	
Site Paving	68,840		1.72	18%	
Misc Site Improvements	3,805		0.10	1%	
Fencing	21,280		0.53	5%	
Landscaping & Irrigation	36,825		0.92	10%	
Site Furnishings	0		0.00	0%	
Site Utilities Storm Water System	134,569		3.36	35%	
Site Utilities Sanitary Sewer System	3,825		0.10	1%	
Site Utilities Water Service	24,754		0.62	6%	
<b>Division 3 - Concrete</b>		<b>478,819</b>	<b>11.97</b>	<b>19%</b>	
Foundations	245,267		6.13	51%	
Substructure	232,652		5.82	49%	
Superstructure - Conc	899		0.02	0%	
<b>Division 4 - Masonry</b>		<b>0</b>	<b>0.00</b>	<b>0%</b>	
Masonry - Stone Veneer	0		0.00	#DIV/0!	
Masonry - Cast Stone	0		0.00	#DIV/0!	
Masonry - Interior Concrete Masonary Units	0		0.00	#DIV/0!	
<b>Division 5 - Metal Fabrications</b>		<b>26,750</b>	<b>0.67</b>	<b>1%</b>	
Superstructure Steel	0		0.00	0%	
Misc Steel Fabrications	26,750		0.67	100%	
<b>Division 6 - Wood &amp; Plastics</b>		<b>15,000</b>	<b>0.38</b>	<b>1%</b>	
Rough Carpentry	15,000		0.38	100%	
Millwork	0		0.00	0%	
<b>Division 7 - Moisture Protection</b>		<b>7,153</b>	<b>0.18</b>	<b>0%</b>	
Sealants, Water/Vapor Barriers, Waterproofing	5,100		0.13	71%	
Firestopping Systems	1,568		0.04	22%	
Metal Panels	0		0.00	0%	
Exterior Insulation and Finish System	0		0.00	0%	
Roofing Systems	485		0.01	7%	
Roofing Accessories & Specialties	0		0.00	0%	

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000



SCHEDULE OF VALUES					
Description	Total Estimated Price	Division Totals	Cost per SF	%	
<b>Division 8 - Windows &amp; Doors</b>		<b>23,373</b>	<b>0.58</b>	<b>1%</b>	
Glass & Glazing	0		0.00	0%	
Interior Glass & Glazing	0		0.00	0%	
Hollow Metal Doors & Frames	7,223		0.18	31%	
Wood Doors	0		0.00	0%	
Door Hardware	7,480		0.19	32%	
<b>Division 9 - Interior Finishes</b>		<b>21,778</b>	<b>0.54</b>	<b>1%</b>	
Exterior Sheathing/Metal Stud Framing	0		0.00	0%	
Interior Gypsum Board Partitions	11,868		0.30	54%	
Ceilings - Acoustical & Gypboard	3,349		0.08	15%	
Ceramic Tile	0		0.00	0%	
Carpet & Resilient Flooring	0		0.00	0%	
Sealed/Stained Concrete Floor	2,805		0.07	13%	
Wall Finishes	3,756		0.09	17%	
<b>Division 10 - Specialties</b>		<b>7,382</b>	<b>0.18</b>	<b>0%</b>	
Visual Display Boards	0		0.00	0%	
Toilet Partitions	0		0.00	0%	
Wall Protection	0		0.00	0%	
Toilet Accessories	0		0.00	0%	
Fire Extinguishing Equipment	2,000		0.05	27%	
Metal Lockers	0		0.00	0%	
Signage	632		0.02	9%	
Louvers & Screens	0		0.00	0%	
Wire Mesh Partitions	0		0.00	0%	
Misc Specialties	4,750		0.12	64%	
<b>Division 12 - Furnishings</b>		<b>0</b>	<b>0.00</b>	<b>0%</b>	
Window Coverings	0		0.00	#DIV/0!	
Entrance Mats	0		0.00	#DIV/0!	
<b>Division 13 - Tennis and Special Const</b>		<b>990,000</b>	<b>24.75</b>	<b>39%</b>	
<b>Division 14 - Conveying</b>		<b>0</b>	<b>0.00</b>	<b>0%</b>	

Will Rogers Indoor Tennis Center Conceptual Estimate  
 Oklahoma City, Oklahoma  
 January 10, 2015 - Phase 1 and 2 Only  
 Building Square Feet 40,000



SCHEDULE OF VALUES					
Description		Total Estimated Price	Division Totals	Cost per SF	%
<b>Division 15 - Mechanical</b>			<b>120,496</b>	<b>3.01</b>	<b>5%</b>
Mechanical		113,996		2.85	95%
Fire Suppression System		6,500		0.16	5%
<b>Division 16 - Electrical</b>			<b>313,125</b>	<b>7.83</b>	<b>12%</b>
Electrical		313,125		7.83	100%
<b>TOTALS</b>		<b>\$ 2,564,563.86</b>	<b>\$ 2,564,563.86</b>	<b>64.11</b>	<b>100%</b>
Contractor Fee	5%	\$ 128,228.19			
Builders Risk Insurance	0.2500%	\$ 6,411.41			
General Liability	1%	\$ 25,645.64			
Payment & Performance Bond	1.00%	\$ 25,645.64			
Contractor Contingency	5.00%	\$ 128,228.19			
Art	1%	25645.63862			
Recommended GMP Base Budget		<b>\$ 2,904,368.57</b>			
Phase 1		\$ 399,864.45			
Lighting		\$ 88,000.00			
Pole Bases		\$ 12,000.00			
Landscaping		\$ 14,000.00			
Art		\$ 6,000.00			
Recommended GMP Total Budget		<b>\$ 3,424,233.02</b>			

Will Rogers Indoor Tennis Center  
 Conceptual Estimate Oklahoma  
 City, Oklahoma  
 January 10, 2015 - Phase 1 and 2 Only

SF	Months
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Building Square Feet	9,958	12
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Division 1 - General Conditions					
Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
General Conditions	6	Months	14,000	84,000	84,000
Cutting and Patching	1		15,000	15,000	15,000
Project Management	6	Months	10,000	60,000	60,000
Construction Progress	6	Months	250	1,500	4,500
Submittal Procedures	1		2,500	2,500	2,500
Temporary Facilities and Controls	6	Months	400	2,400	2,400
Site Separation	1		2,500	5,000	5,000
<b>Grand Total</b>					<b>173,400</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 2 - Sitework</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Demolition</b>					<b>15,000</b>
Selective demolition	1.00	LS	15,000.00	15,000	15,000
Above Ceiling removal and revision	1.00	LS	0.00	0	0
Asbestos Abatement	0.00	0	0.00	0	0
<b>Erosion / Site Control</b>					<b>24,800</b>
Lay Down Area	1.00	LS	5,000.00	5,000	5,000
Inlet Protection	4.00	EA	3,500.00	14,000	14,000
Install Rock Entrances	120.00	T	35.00	4,200	4,200
Temporary Sodding for Erosion control	8,000.00	SF	0.20	1,600	1,600
Temp Sediment Basin	0.00	LS	800.00	0	0
Temp Seeding	0.00	SF	0.06	0	0
<b>Earthwork</b>					<b>53,591</b>
<b>Building</b>					
Clear & Grub Site	2.00	AC	2,660.00	5,320	5,320
Strip & Stockpile Topsoil	35,000.00	SF	0.10	3,500	3,500
Fill & Compact Building Pad	5,400.00	CY	6.00	32,400	32,400
Modify Existing Fill (If Necessary)	0.00	CY	3.75	0	0
Haul Off Excess---Fill	0.00	CY	18.00	0	0
<b>Sitework</b>					
Cut & Fill @ Parking	0.00	CY	3.50	0	0
Fine Grade @ Parking	0.00	SF	0.18	0	0
Final Grade Site	0.00	SF	0.15	0	0
Replace Stockpiled Topsoil	688.00	CY	2.50	1,720	1,720
Excavate for Detention Pond	0.00	CY	8.50	0	0
Temporary Rock @ Staging/Parking Area	0.00	TN	20.50	0	0
Site Engineering & Layout Crew	150.00	CH	64.00	9,600	9,600
Subcontractor Bond	0.00	LS	0.02	1,051	1,051
<b>Site Paving</b>					<b>68,840</b>
Asphalt Paving Light Duty 3" Type A 2" Type B	0.00	SY	22.00	0	0
Asphalt Paving Heavy Duty 4" Type A 2" Type B	0.00	SY	26.56	0	0
Concrete 6"	0.00	SY	33.75	0	0
Integral Curb 6"	0.00	LF	6.50	0	0
Joint Sealants	0.00	SF	1.25	0	0
Lime Stabilize 8"	0.00	SY	4.50	0	0
Curb & Gutter 24 x 8	0.00	LF	14.00	0	0
Sidewalks 4"	0.00	SF	3.40	0	0
Joint Sealants	0.00	SF	0.25	0	0
HC Access Ramps	1.00	LS	65,000.00	65,000	65,000
Pavement Markings 4"	0.00	LF	0.55	0	0
Handicap Spaces/Signs	0.00	EA	200.00	0	0
Field Engr-Layout	60.00	CH	64.00	3,840	3,840
Testing and Permits	0.00	LS	2,000.00	0	0

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 2 - Sitework</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Misc Site Improvements</b>					<b>3,805</b>
Exterior Door Stoops	4.00	EA	100.00	400	400
Pads	0.00	SF	6.50	0	0
Footings	0.00	CY	315.00	0	0
Slab on Grade	0.00	CY	225.00	0	0
Gates / Bollards	0.00	EA	350.00	0	0
Footings at Sign Pedestals	2.00	CY	315.00	630	630
Light Pole Bases for 30' poles	6.00	EA	450.00	2,700	2,700
Precast Bollards(spheres)	0.00	EA	1,125.00	0	0
Subcontractor Bond	0.00	LS	0.02	75	75
<b>Fencing</b>					<b>21,280</b>
Fences - 6 chain link - Temp	1,330.00	LF	16.00	21,280	21,280
<b>Landscaping &amp; Irrigation</b>					<b>36,825</b>
U-3 Bermuda Sod	22,000.00	SF	0.45	9,900	9,900
Hydro Seed	2,500.00	SF	0.25	625	625
Temp Seeding	0.00	SF	0.00	0	0
Canopy Trees 65 gal	15.00	EA	600.00	9,000	9,000
Shrubs Small	35.00	EA	40.00	1,400	1,400
Ground Cover/Perennials	800.00	SF	6.00	4,800	4,800
Compost	35.00	CY	95.00	3,325	3,325
Mulch	15.00	CY	65.00	975	975
Steel Edging	600.00	LF	8.00	4,800	4,800
Irrigation Sleeves	200.00	LF	10.00	2,000	2,000
Subcontractor Bond	1.00	LS	0.00	0	0
<b>Site Furnishings</b>					<b>0</b>
Benches	0.00			Owner	Owner
Waste Receptacles	0.00			Owner	Owner
Tables w/seatbenches	0.00			Owner	Owner
Bike Loops	0.00	EA	500.00	0	0
Site Bridges	0.00				0
Water Fountains	0.00				0
					0

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 2 - Sitework</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Site Utilities Storm Water System</b>					<b>134,569</b>
18" HDPE	0.00	LF	25.00	0	0
24" HDPE	0.00	LF	35.00	0	0
27" HPDE	0.00	LF	42.00	0	0
36" RCP	350.00	LF	92.59	32,407	32,407
42" RCP	600.00	LF	135.04	81,024	81,024
6" Perf Sub Drainage	0.00	LF	20.00	0	0
Premium for Shale	0.00	LS	0.00	0	0
Curb Inlets 8' Deep Double Inlet	0.00	EA	0.00	0	0
Catch Basins 8' Deep light	0.00	EA	0.00	0	0
4' Diameter Manhole 8' Deep	0.00	EA	0.00	0	0
Roof Drain Tile Connectors	0.00	EA	0.00	0	0
4-18" Roof Drain Leader Lines	150.00	LF	30.00	4,500	4,500
Inlet Structures	4.00	EA	3,500.00	14,000	14,000
Outlet Structures at Detention	0.00	EA	0.00	0	0
Staking & Fees	0.00	LS	0.00	0	0
Subcontractor Bond	0.00	LS	0.02	2,639	2,639
<b>Site Utilities Sanitary Sewer System</b>					<b>3,825</b>
6" PVC Piping SDR35	200.00	LF	16.50	3,300	3,300
Premium for Shale	0.00	LS	0.00	0	0
6" Clean outs	2.00	EA	225.00	450	450
Grease Trap	0.00	EA	0.00	0	0
Lift Station	0.00	EA	0.00	0	0
Staking & Fees	0.00	LS	0.00	0	0
Offsite Sanitary & Lift Station	0.00	LS	0.00	0	0
Subcontractor Bond	0.00	LS	0.02	75	75
<b>Site Utilities Water Service</b>					<b>24,754</b>
6" Pipe DI	400.00	LF	31.34	12,536	12,536
2" Pipe DI	600.00	LF	18.50	11,100	11,100
Premium for Shale	0.00	LS	0.00	0	0
Disinfect Test	1.00	LS	1,118.00	1,118	1,118
6" Tapping Valve & Box	0.00	EA	7,500.00	0	0
Tees/Valve Boxes	0.00	EA	1,727.27	0	0
Detector Check Pit (Vault & Valves)	0.00	LS	3,500.00	0	0
Fire Hydrant Assemblies	0.00	EA	2,316.00	0	0
Staking & Fees	0.00	LS	500.00	0	0
Boring for Water Line	0.00	LS	0.00	0	0
<b>Grand Total</b>					<b>387,289</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 3 - Concrete</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Foundations</b>					<b>245,267</b>
<b>Grade Beams</b>					
Mass Excavation	0.00	CY	7.20	0	0
Hand Trim	0.00	SF	1.80	0	0
Backfill & Compaction	400.00	CY	14.00	5,600	5,600
Hauls Spoils	250.00	CY	5.40	1,350	1,350
Form Grade Beams	0.00	SF	4.25	0	0
Reinforcing Steel	26.00	TN	1,088.44	28,299	28,299
Concrete	205.00	CY	345.00	70,725	70,725
Foundation Insulation	0.00	SF	1.23	0	0
<b>Spread Footings</b>					
Mass Excavation	0.00	CY	25.00	0	0
Hand Trim	0.00	SF	1.80	0	0
Backfill & Compaction	0.00	CY	14.00	0	0
Hauls Spoils	0.00	CY	5.40	0	0
Form Footings	0.00	SF	3.25	0	0
Set Anchor Bolts	128.00	EA	14.40	1,843	1,843
Grout Base Plates	32.00	EA	13.80	442	442
Reinforcing	35.00	TN	1,088.44	38,095	38,095
Concrete	395.00	CY	121.90	48,151	48,151
<b>Concrete Overhead Costs</b>					
Layout & Engineering	80.00	CH	61.00	4,880	4,880
Clean Up	240.00	MH	21.80	5,232	5,232
Equipment Rental/Maint/Operations	3.00	MO	10,250.00	30,750	30,750
Misc Tools	3.00	MO	2,500.00	7,500	7,500
Safety	3.00	MO	800.00	2,400	2,400
Testing Special Inspections	0.00	LS			
<b>Substructure</b>					<b>232,652</b>
<b>Slab on Grade</b>					
Rock Cushion	1,450.00	TN	24.83	36,004	36,004
Grade for Slabs	40,000.00	SF	0.27	10,800	10,800
Hand Excavation Thin Edges	0.00	LF	1.80	0	0
Underslab Vapor Barrier 15 mil	40,000.00	SF	0.43	17,200	17,200
Form Slab on Grade Edge	860.00	LF	4.32	3,715	3,715
Form Recessed Slabs	0.00	LF	5.22	0	0
Trowel Finish	40,000.00	SF	0.47	18,800	18,800
Reinforcing	62.00	TN	1,088.44	67,483	67,483
Concrete	715.00	CY	110.00	78,650	78,650
Form Construction Joint	0.00	LF	3.42	0	0
Expansion Joint	0.00	LF	0.96	0	0
Sawed Concrete Joints	0.00	LF	1.68	0	0
Cure Concrete	0.00	SF	0.05	0	0
Soil Poison	0.00	SF	0.15	0	0
<b>Concrete Overhead Costs</b>					
Layout & Engineering	0.00	CH	61.00	0	0
Clean Up	0.00	MH	21.80	0	0
Equipment Rental/Maint/Operations	0.00	MO	2,500.00	0	0
Misc Tools	0.00	MO	1,500.00	0	0
Safety	0.00	MO	800.00	0	0
Testing Special Inspections	0.00	LS			



Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 3 - Concrete</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Super Structure</b>					<b>899</b>
<b>Pro Shop</b>					
Reinforcing Steel	0.00	TN	1,088.44	0	0
Wire Mesh	0.00	SF	0.38	0	0
Concrete 3500 psi lwt	0.00	CY	142.30	0	0
Trowel Finish	0.00	SF	0.47	0	0
Cure Concrete	0.00	SF	0.05	0	0
Set & Strip Bulkheads	0.00	LF	4.05	0	0
<b>Mechanical Pads</b>	0.00				
Concrete 3000#	6.00	CY	149.90	899	899
Trowel Finish	0.00	SF	0.90	0	0
Form Bases	0.00	FT	2.70	0	0
Wire Mesh	0.00	SF	0.38	0	0
Cure Concrete	0.00	SF	0.06	0	0
<b>Concrete Overhead Costs</b>	0.00				
Layout & Engineering	0.00	CH	61.00	0	0
Clean Up	0.00	MH	24.80	0	0
Equipment Rental/Maint/Operations	0.00	MO	6,250.00	0	0
Misc Tools	0.00	MO	1,000.00	0	0
Safety	0.00	MO	1,100.00	0	0
Testing Special Inspections	0.00	LS			
Conc Subcontractor Bond	0.00	LS	0.02	0	0
<b>Grand Total</b>					<b>478,819</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate  
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Building Square Feet 40,000

**Division 4 - Masonry**

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Masonry - Block</b>					<b>0</b>
Block	0.00	SF	18.85	0	0
Sub Contractor Bond	0.00	LS	0.02	0	0
<b>Masonry - Cast Stone</b>					<b>0</b>
Sills/Jambs/Lintels/Trim/Coping	0.00	LF	59.00	0	0
Sub Contractor Bond	0.00	LS	0.02	0	0
	0.00			0	0
				0	0
<b>Masonry - Brick Veneer</b>					<b>0</b>
Brick Veneer	0.00	SF	12.50	0	0
Sub Contractor Bond	0.00	LS	0.02	0	0
				0	0
				0	0
<b>Grand Total</b>					<b>0</b>

**Qualifications**

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 5 - Metal Fabrications</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Structural Steel Framing &amp; Decking</b>					<b>0</b>
<b>Structural Steel</b>					
Steel Deck Cover	0.00	SF	32.50	0	0
Steel Framing	0.00	SF	21.55	0	0
Joist	0.00	SF	4.00	0	0
Roof Deck on Entry Canopy	0.00	SF	5.50	0	0
Roof Deck on Joist	0.00	SF	1.90	0	0
Misc. Steel and Frames	0.00	LS	3,250.00	0	0
<b>Misc Steel Fabrications</b>					<b>26,750</b>
Lintels/Misc Supports Steel	1.00	LS	2,500.00	2,500	2,500
Handrails	1.00	VLF	3,000.00	3,000	3,000
Out Shelters	625.00	SF	34.00	21,250	21,250
<b>Grand Total</b>					<b>26,750</b>
<b>Qualifications</b>					

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Building Square Feet 40,000

**Division 6 - Wood & Plastics**

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Rough Carpentry</b>					<b>15,000</b>
Concealed Wood Blocking - Interior	0.00	BF	4.21	0	0
Wood Siding	0.00	MH	34.50	0	0
Material	0.00	LS	15,000.00	15,000	15,000
	0.00				
<b>Millwork</b>					<b>0</b>
Cabinets - Wall	0.00	LF	120.00	0	0
Cabinets w/ plam top - Base	0.00	LF	175.00	0	0
Cabinets @ sink fountain	0.00	LF	250.00	0	0
Counters only plam top	0.00	LF	185.00	0	0
Support Brackets	0.00	EA	45.00	0	0
Reception Desks	0.00	LF	350.00	0	0
Tall Shelving Units	0.00	LF	150.00	0	0
Closet Shelf/rod	0.00	LF	40.00	0	0
Teachers Desk	0.00	LF	350.00	0	0
Solid Surfacing-Window Sills 6"	0.00	LF	24.00	0	0
Misc Millwork/Accessories	0.00	LS	1,200.00	0	0
<b>Grand Total</b>					<b>15,000</b>

**Qualifications**

Will Rogers Indoor Tennis Center Conceptual Estimate  
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Building Square Feet 40,000

**Division 7- Moisture Protection**

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Sealants, Water/Vapor Barriers, Waterproofing</b>					<b>5,100</b>
Sealants @ Building Exterior	1,200.00	LF	4.25	5,100	5,100
Below Grade Waterproofing @ Pit	0.00	SF	5.00	0	0
					0
<b>Firestopping Systems</b>					<b>1,568</b>
Penetration Firestopping @MEP	25.00	LF	7.50	188	188
Gyp partitions to Structure	45.00	LF	7.95	358	358
Misc Penetrations	85.00	SF	2.50	213	213
Support Brackets	18.00	EA	45.00	810	810
<b>Metal Panels</b>					<b>0</b>
Perforated Painted Steel Screens	0.00	EA	355.00	0	0
<b>Exterior Insulation and Finish System</b>					<b>0</b>
EIFS System-Drainable 4" @ Masonry	0.00	SF	11.10	0	0
EIFS System-Drainable 1.5" @ Studs	0.00	SF	10.90	0	0
EIFS System-Cornice	0.00	LF	14.00	0	0
EIFS Soffits direct-applied	0.00	SF	6.05	0	0
<b>Roofing Systems</b>					<b>485</b>
Fully Adhered Single Ply	100.00	SF	3.35	335	335
Roof Insulation Iso	100.00	SF	1.50	150	150
Metal Fascia Panels	0.00	SF	5.25	0	0
Metal Flashing/Scuppers/Cap/etc	0.00	SF	7.50	0	0
Roof Expansion Jt Assembly	0.00	LF	16.00	0	0
Trellis/Canopy Roofs	0.00	SF	8.60	0	0
Existing Roof Repair	0.00	LS	2,500.00	0	0
Ice & Water Shield	0.00	SF	2.00	0	0
Wood Blocking-Roofing	0.00	BF	2.62	0	0
3/4" Plywood Fireproof	0.00	SF	2.53	0	0
<b>Roofing Accessories &amp; Specialties</b>					<b>0</b>
Roof Hatches	0.00	EA	800.00	0	0
Subcontractor Bond	0.00	LS	0.02	0	0
<b>Grand Total</b>					<b>7,153</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate  
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 Building Square Feet 40,000



<b>Division 8 - Windows &amp; Doors</b>					
Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Glass &amp; Glazing</b>					
Alum Storefront	0.00	SF	35.00	0	0
Aluminum Entrance Doors per leaf	0.00	EA	1,100.00	0	0
Alum Fixed Windows - Butt	0.00	SF	95.00	0	0
Alum Casement Windows	0.00	EA	1,300.00	0	0
Aluminum Structural Glass	0.00	SF	45.00	0	0
Panel Glass System	0.00	SF	215.00	0	0
<b>Interior Glass &amp; Glazing</b>					
Interior Glass Alum Framed	0.00	SF	18.00	0	0
Interior Glass @ HM Frames & Doors	0.00	SF	12.00	0	0
Unframed Mirrors	0.00	SF	8.00	0	0
Subcontractor Bond	0.00	LS	0.02	0	0
<b>Hollow Metal Doors &amp; Frames</b>					
HM Door Frames	8.00	EA	442.00	3,536	3,536
HM Doors 3'0"x7'0"	8.00	EA	399.20	3,194	3,194
Access Doors and Frames 18x18	2.00	EA	176.00	352	352
Subcontractor Bond	1.00	LS	0.02	142	142

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000



<b>Division 8 - Windows &amp; Doors</b>					
Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Wood Doors</b>					<b>0</b>
Wood Doors 3'0"x7'0"	0.00	EA	375.00	0	0
Wood Doors 3'0"x7'0" Rated	0.00	SF	420.00	0	0
Subcontractor Bond	1.00	LS	0.02	0	0
<b>Specialty Doors</b>					<b>8,670</b>
Coiling Door 24' x 8'	2.00	EA	4,250.00	8,500	8,500
Sound Doors Pair 4'0"x7'0" STC 50	0.00	EA	13,300.00		
Steel Gates @courtyards	0.00	EA	3,200.00		
Subcontractor Bond	1.00	LS	0.02	170	170
<b>Door Hardware</b>					<b>7,480</b>
<b>Finish Hardware</b>					
Hardware Allowance (per leaf)	8.00	EA	935.00	7,480	7,480
<b>Grand Total</b>					<b>23,373</b>
<b>Qualifications</b>					

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Building Square Feet	40,000



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Division 9 - Interior Finishes</b>					
<b>Exterior Sheathing/Metal Stud Framing</b>					<b>0</b>
Exterior Sheathing-Proguard 2" @ Masonry	0.00	SF	3.04	0	0
Exterior Sheathing-Proguard 1" @ Studs	0.00	SF	1.35	0	0
Exterior Sheathing-Proguard Non Insulated	0.00	SF	1.64	0	0
Exterior Metal Stud Framing 16ga	0.00	SF	2.75	0	0
Adder to framing @ Columns	0.00	SF	1.59	0	0
Exterior Insulation-Batt R19	0.00	SF	0.83	0	0
Ext frmg/sheathing @ Soffits/Fascia	0.00	SF	5.00	0	0
<b>Interior Gypsum Board Partitions</b>					<b>11,868</b>
Interior Partitions and Framing	1,800.00	SF	6.25	11,250	11,250
Add for over 8' high	0.00	SF	1.20	0	0
Add for sound batts R11 unfaced	0.00	SF	0.40	0	0
Interior Furring Channel w/ 5/8 gyp (over CMU)	0.00	SF	4.05	0	0
Add for over 8' high	0.00	SF	0.20	0	0
Interior 5/8 gyp on Ext Studs	0.00	SF	1.25	0	0
Add for over 8' high	0.00	SF	0.20	0	0
Beams/Columns/Soffits	0.00	SF	1.25	0	0
Clean-up	0.00	SF	2.75	0	0
Layout Partitions	1,100.00	SF	0.35	385	385
Subcontractor Bond	1.00	LS	0.02	233	233
<b>Ceilings-Accoustical &amp; Gypboard</b>					<b>3,349</b>
Suspension System-Acoust 9/16	650.00	SF	0.85	553	553
Acoustical Ceiling Tile - 2x2	650.00	SF	2.86	1,859	1,859
Metal Ceiling Tile	0.00	SF	8.75	0	0
Suspension System Gyp	0.00	SF	2.25	0	0
Gypsum Board Ceilings Flat	250.00	SF	3.75	938	938
Seismic Bracing Reqmts	0.00	SF	0.20	0	0
<b>Ceramic Tile</b>					<b>0</b>
Porcelain Tile	0.00	SF	15.50	0	0
Walls - Toilets 6x6	0.00	SF	10.50	0	0
Walls - Locker Rooms 6x6	0.00	SF	10.50	0	0
Floors - Restrooms	0.00	SF	9.50	0	0
Walls - Kitchen Fiberglass Reinforced	0.00	SF	6.25	0	0
Subcontractor Bond	1.00	LS	0.02	0	0



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Building Square Feet 40,000

**Division 9 - Interior Finishes**

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Carpet &amp; Resilient Flooring</b>					<b>0</b>
Carpet Tile	0.00	SY	34.00	0	0
Carpet Tile	0.00	SY	40.00	0	0
<b>VCT General</b>	0.00	SF	1.75	0	0
Rubber Base	0.00	LF	1.20	0	0
Floor Prep (65\$ / Bag)	0.00	SF	1.23	0	0
<b>Sealed / Stained Concrete Floor</b>					<b>2,805</b>
Sealed Concrete	1,100.00	SF	2.50	2,750	2,750
Subcontractor Bond	1.00	LS	0.02	55	55

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 9 - Interior Finishes</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Wall Finishes</b>					<b>3,756</b>
<b>Painting</b>				0	0
Ceilings	250.00	SF	0.65	163	163
Painted Walls	1,800.00	SF	0.95	1,710	1,710
Paint HM Frames	8.00	EA	35.00	280	280
Paint Doors/stained	8.00	EA	40.00	320	320
Single Hand Rail	0.00	LF	10.00	0	0
Mech Room Painting	0.00	SF	2.00	0	0
<b>Tape &amp; Bed</b>				0	0
Walls	1,800.00	SF	0.45	810	810
Ceilings	250.00	SF	0.60	150	150
<b>Staining</b>					
Wood Paneling	0.00	SF	1.50		
Mockups	1.00	LS	250.00	250	250
Subcontractor Bond	1.00	LS	0.02	74	74
				0	0
				0	0
<b>Grand Total</b>					<b>21,778</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 10 - Specialties</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Visual Display Boards</b>					<b>0</b>
Marker Board	0.00	EA	675.00	0	0
Tack Boards 4'x4'	0.00	EA	454.00	0	0
White Board	0.00	EA	945.00	0	0
				0	0
<b>Toilet Partitions</b>					<b>0</b>
Toilet Stall	0.00	EA	785.25	0	0
Urinal Screens	0.00	EA	397.03	0	0
				0	0
				0	0
<b>Wall Protection</b>					<b>0</b>
Misc Wall Protection	0.00	LS	1,000.00	0	0
Corner Guards	0.00	EA	80.00	0	0
Corner Guards Stainless Steel 4' tall	0.00	EA	93.50	0	0
Handrails - Wood	0.00	LF	22.00	0	0
Bumper Guards	0.00	LF	12.50	0	0
Wall Protection Install	0.00	MH	30.00	0	0
				0	0
				0	0
<b>Toilet Accessories</b>					<b>0</b>
Mirrors	0.00	EA	71.80	0	0
Toilet Paper Dispenser	0.00	EA	36.60	0	0
Grab Bars	0.00	EA	66.00	0	0
Towel Bars	0.00	EA	117.80	0	0
Shower Curtain & Rods	0.00	EA	83.60	0	0
Shower Seals	0.00	EA	63.00	0	0
Shower Grab Bars	0.00	EA	81.00	0	0
Towel Dispenser	0.00	EA	81.60	0	0
Towel Dispenser / Waste Receptacle	0.00	EA	371.60	0	0
Soap Dispenser	0.00	EA	61.60	0	0
Sanitary Napkin Dispenser	0.00	EA	421.60	0	0
Sanitary Napkin Disposal	0.00	EA	71.60	0	0
Utility Shelves	0.00	EA	650.00	0	0
Coat Robe Hooks	0.00	EA	33.00	0	0
				0	0
Exterior Door Stoops				0	0

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 10 - Specialties</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Fire Extinguishing Equipment</b>					<b>2,000</b>
Fire Extinguishers 10 & 20#	8.00	EA	73.00	584	584
Fire Extinguishers Cab	8.00	EA	177.00	1,416	1,416
				0	0
				0	0
<b>Metal Lockers</b>					<b>0</b>
Hall Lockers dbl tier units (Plastic)	0.00	EA	419.00	0	0
PE Lockers dbl tier units (Plastic)	0.00	EA	419.00	0	0
Athletic Lockers - full (Plastic)	0.00	EA	452.00	0	0
Locker Benches	0.00	LF	49.00	0	0
				0	0
				0	0
<b>Signage</b>					<b>632</b>
Interior Door Signs	4.00	EA	74.00	296	296
Interior Directional Signs	4.00	EA	84.00	336	336
Building Name Letters 10"	0.00	EA	1,000.00	0	0
Building Plaque 20x30	0.00	EA	854.00	0	0
Monumental Sign (1)	0.00	EA	1,000.00	0	0
				0	0
				0	0
<b>Building Safe</b>					<b>0</b>
Safe	0.00	EA	1,200.00	0	0
<b>Wire Mesh Partitions</b>					<b>0</b>
<b>Misc Specialties</b>					<b>4,750</b>
Flagpoles 40' external halyard	2.00	EA	2,000.00	4,000	4,000
Wall / Ceiling Hung TV Brackets	2.00	EA	375.00	750	750
				0	0
				0	0
<b>Grand Total</b>					<b>7,382</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	SF
Building Square Feet	40,000



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Window Coverings</b>					<b>0</b>
Vertical Louver Blinds	0	SF	5.75	0	0
Vertical Louver Blinds Interiors	0	SF	5.75	0	0
				0	0
				0	0
<b>Entrance Mats</b>					<b>0</b>
Recessed Floor Mat Assembly	0	SF	34.50	0	0
				0	0
				0	0
<b>Grand Total</b>					<b>0</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center  
 Conceptual Estimate Oklahoma  
 City, Oklahoma  
 January 10, 2015 - Phase 1 and 2 Only

SF  
 40,000



**Building Square Feet** 40,000  
**Division 13 - Special Construction**

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
Tennis Court Material and install	1	LS	240,000.00	240,000	240,000
Fabric Structure	1	LS	750,000.00	750,000	750,000
<b>Grand Total</b>					<b>990,000</b>
<b>Qualifications</b>					

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SF



Building Square Feet 40,000

Division 14 - Conveying

Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
Elevators	0	EA	55,000	0	0
<b>Grand Total</b>					<b>0</b>
<b>Qualifications</b>					

Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	
Building Square Feet	40,000
<b>Division 15 - Mechanical</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Mechanical</b>					<b>113,996</b>
<b>HVAC</b>					
Equipment-	0.00	SF	12.00	0	0
Sheet Metal	0.00	LS	26,000.00	0	0
HVAC Piping	0.00	LF	9.50	0	0
HVAC Controls	INCL	SF	8.00	0	0
T&B Commissioning	0.00	SF	0.50	0	0
Thermal Insulation	0.00	SF	2.50	0	0
Mechanical Installation	1.00	LS	85,000.00	85,000	85,000
<b>Plumbing Piping</b>					
Domestic Water Piping	200.00	LF	15.79	12,948	12,948
Sanitary Waste Piping	250.00	LF	8.99	5,573	5,573
Sanitary Vent Piping	85.00	LF	12.98	2,790	2,790
Roof Drain Piping Below Grade	0.00	LF	13.44	0	0
Roof Drain Piping Above Grade	0.00	LF	13.06	0	0
Grease Traps	0.00	EA	0.00	0	0
Floor Drains	1.00	EA	650.00	650	650
<b>Plumbing Fixtures</b>					
Drinking Fountains	4.00	EA	1,850.00	0	0
Water Closets	0.00	EA	2,150.00	0	0
Urinals	0.00	EA	1,800.00	0	0
Lavatories	0.00	EA	1,100.00	0	0
Grease Traps	0.00	EA	3,500.00	0	0
Floor Sinks	1.00	EA	1,950.00	1,950	1,950
Specialty Sinks	1.00	EA	3,200.00	3,200	3,200
<b>Plumbing Equipment / Systems</b>					
Domestic Water Heater	1.00	EA	1,885.00	1,885	1,885
Lab Casework Final Connection	0.00	LS	0.00	0	0
Food Service Connections	0.00	LS	0.00	0	0
<b>General Conditions</b>					
Seismic Bracing Requirements	0.00	SF	1.35	0	0
Subcontractor Bond	1.00	LS	0.01	0	0
				0	0
				0	0
<b>Fire Suppression System</b>					<b>6,500</b>
Sprinkler System - Wet Pipe	0.00	SF	2.75	0	0
Meter Pit / Fire Hydrates / Tap	1.00	LS	6,500.00	6,500	6,500
Kitchen	0.00	SF	2.25	0	0
Subcontractor Bond	0.00	LS	0.00	0	0
<b>Grand Total</b>					<b>120,496</b>
<b>Qualifications</b>					



Will Rogers Indoor Tennis Center Conceptual Estimate Oklahoma City, Oklahoma January 10, 2015 - Phase 1 and 2 Only	SF
Building Square Feet	40,000
<b>Division 16 - General Electrical</b>	



Description	Quantity	Unit of Measure	Lump Sum Unit Price	Lump Sum Extended	Total Estimated Price
<b>Power Devices</b>				0	0
Duplex Recept	0.00	EA	65.00	0	0
Quad Recept	0.00	EA	95.00	0	0
Duplex Recept GF	0.00	EA	85.00	0	0
Duplex Recept WP GF	0.00	EA	145.00	0	0
Dryer Outlet	0.00	EA	250.00	0	0
Switches	0.00	EA	65.00	0	0
Dimmer Switches	0.00	EA	145.00	0	0
Floor Boxes	0.00	EA	350.00	0	0
<b>Power Distribution</b>	0.00				
Branch Conduct / Wire - Lighting	0.00	EA	112.25	0	0
Cable Tray	0.00	LF	8.15	0	0
Cable Tray Racks	0.00	EA	75.00	0	0
Grounding @ Cable Tray	0.00	LS	5,800.00	0	0
Power Feeders	0.00	LF	30.41	0	0
Secondary Power Service Feeder	0.00	LF	385.00	0	0
<b>Distribution Equipment</b>				0	0
Main Distribution Frame	0.00	EA	18,000.00	0	0
Main Disconnect Switch	0.00	EA	12,500.00	0	0
Panels	0.00	EA	2,500.00	0	0
Transformers	0.00	EA	1,500.00	0	0
Grounding @ Main Service	0.00	LS	1,500.00	0	0
Grounding @ Comm Room	0.00	EA	3,000.00	0	0
Grounding @ Transformers	0.00	EA	750.00	0	0
<b>Equipment Connections</b>				0	0
Scoreboards	0.00	EA	2,500.00	0	0
Touch Screens	0.00	EA	150.00	0	0
Science Labs	0.00	EA	1,000.00	0	0
Kiln	0.00	EA	3,500.00	0	0
Handicap Doors	0.00	EA	150.00	0	0
Mechanical Equipt Connections	0.00	EA	500.00	0	0
Kitchen Equipment	0.00	EA	700.00	0	0
Mech Control Devices	0.00	LS	15,000.00	0	0
<b>Lighting</b>	0.00			0	0
Lighting Package	0.00	EA	14,575.00	0	0
LED Cove Lighting	0.00	EA	145.00	0	0
Low Voltage Lighting Controls	0.00	LS	12,500.00	0	0
<b>Special Systems</b>				0	0
Fire Alarm	0.00	EA	2,100.00	0	0
Clock System	0.00	EA	4,000.00	0	0
PA	0.00	EA	6,000.00	0	0
Intercom	0.00	EA	2,500.00	0	0
Security System (Conduit Only)	0.00	EA	75.00	0	0
Security System	0.00	EA	3,500.00	0	0
Access Control (Conduit Only)	0.00	EA	75.00	0	0
Access Control	0.00	EA	2,000.00	0	0
Security CCTV System (Conduit Only)	0.00	EA	75.00	0	0
Security CCTV System	0.00	EA	3,500.00	Owner	Owner
Antenna Weatherhead	0.00	EA	2,000.00	Owner	Owner
Data / Voice Data Cabinets	0.00	EA	1,250.00	Owner	Owner
Data / VoiceOutlets	0.00	EA	275.00	Owner	Owner
Data / Voice Rough-In Wall	0.00	LS	1,800.00	0	0
Data / Voice Rough-In Floor	0.00	EA	110.00	0	0
New Equipt Racks	0.00	EA	7,500.00	0	0
2-4" Comm Service Feeders	0.00	LF	89.80	Owner	Owner
Feeders between IDF & MDF	0.00	LF	12.11	Owner	Owner
Feeders between IDF & MDF and Data Cabinets	0.00	LF	7.85	0	0
Lightning Protection	0.00	SF	0.23	0	0

<b>Site Electrical</b>					
Site Light Poles	0.00	EA	1,200.00	0	0
Exterior Lighting-Site	0.00	EA	350.00	0	0
Site Lighting-Power / Control	0.00	EA	855.13	0	0
<b>General Conditions - Elec</b>					
Temporary Power	0.00	SF	0.15	0	0
Firestopping	0.00	SF	0.08	0	0
<b>SF Pricing</b>	37500.00	SF	8.35	313,125	313,125
				0	0
<b>Grand Total</b>					<b>313,125</b>
<b>Qualifications</b>					