

# ATKINS & STANG Inc.

Telecommunications &  
Electrical Contractors  
1031 Meta Drive \* Cincinnati, Ohio 45237  
Ph# (513) 242-8300 \* Fax# (513) 482-7054

CITY OF BEXLEY RECREATION & PARKS  
2242 E. MAIN ST  
BEXLEY, OHIO 43209

P R O P O S A L

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JOB NUMBER	JOB DATE
025106	06/13/2025
JOB DESCRIPTION	
TENNIS / PICKLEBALL LED LIGHTING & SERVICE REPLACEMENT	
JOB LOCATION	
JEFFREY PARK 165 N PARKVIEW AVE	
CONTACT	JOBSITEPHONE
MATT KLINGLER	614-559-4200

FURNISH NECESSARY LABOR, MATERIALS & EQUIPMENT TO PERFORM THE FOLLOWING WORK AT JEFFREY PARK TO PROVIDE NEW LED LIGHTING & SERVICE RELOCATE REPLACEMENT. PROPOSAL BASED ON INFORMATION RECEIVED & OUR RECOMMENDATIONS FROM SITE VISIT:

- 1) REVIEW PROPOSED INSTALLATION WITH OWNER FOR APPROVAL
- 2) OBTAIN APPROVAL FROM UTILITY COMPANY
- 3) PREPARE STAMPED ENGINEERED DRAWING, PERMIT & INSPECTIONS
- 4) MOBILIZE ON SITE TO AGREED UPON STAGING AREA
- 5) DRILL&INSTALL(8)PRECAST CONCRETE POLE BASES & ERECT  
(8) MUSCO LIGHTING POLES AS PER ATTACHED MUSCO LAYOUT
- 6) ON EXTERIOR OF SOUTH SIDE OF COURTS AT TENNIS/PICKLEBALL FENCE, INSTALL GALVANIZED PIPE SUPPORTS, UNISTRUT, METER SOCKET & NEW 1PHASE 3WIRE MAIN BREAKER PANEL. EXCAVATE FROM NEW SERVICE TO EXISTING UTILITY POLE. INSTALL CONDUIT WITH COPPER FEEDERS FOR TERMINATION BY UTILITY
- 7) EXCAVATE OR BORE CONDUITS FROM NEW SERVICE CENTER TO EACH NEW POLE. INSTALL PVC CONDUIT & COPPER WIRING
- 8) INSTALL PUSHBUTTON CONTROL & STROBE LIGHT ADJACENT TO NORTH GATE ENTRANCE TO TENNIS & ALSO TO PICKLEBALL COURTS
- 9) INSTALL MUSCO CONTROLLER AT SERVICE CENTER
- 10) INSTALL NEW EMT CONDUIT FROM NEW SERVICE PANEL MOUNTED ON TOP OF FENCE SUPPORT POST&ROUTE TO EXISTING PANEL LOCATED ON EXISTING LIGHT POLE. THIS IS REQUIRED TO REFEED RESTROOM BUILDING & OTHER LOADS TO REMAIN CUT POLE OFF ABOVE PANEL & PROPERLY DISPOSE OF

We Propose hereby to furnish material and labor - complete in accordance with these specifications for the sum of

\$ 158900.00

One Hundred Fifty Eight Thousand Nine Hundred Dollars And 00 Cents

Payable as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized  
Signature: \_\_\_\_\_

Note: This Proposal may be withdrawn  
by us if not accepted within ( 30 ) Days

ACCEPTANCE OF PROPOSAL - The prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

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- 11) INSTALL NEW UNDERGROUND CONDUIT FROM UTILITY POLE TO FENCE  
& ROUTE ALONG FENCE WITH PANEL FEEDER TO REFEED PHONE LINE
- 12) CUT AT GRADE SOUTH POLE INSIDE COURT & CAP & DISPOSE OF
- 13) CUT & REMOVE REMAINING POLES BELOW GRADE & DISPOSE OF
- 14) INSTALL INGROUND BOXES & WEATHERPROOF SPLICES AS REQUIRED
- 15) SEED, FERTILIZER & STRAW RESTORATION
- 16) REMOVE ALL EXISTING CONTROLS AT PANEL & ALL AERIAL WIRING
- 17) REMOVE & REPLACE ASPHALT AS REQUIRED

TOTAL PRICE LABOR, MATERIALS & EQUIPMENT INSTALLED

158900 .00

ALL WORK DURING NORMAL HOURS BASED ON PREVAILING WAGE RATES  
EXCLUDES TAX & UTILITY CHARGES, HOWEVER NONE ANTICIPATED

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Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



Telecommunications &  
Electrical Contractors

Jeffrey Park 165 N. Parkview Ave.

Pickleball & Tennis Court Lighting

Additional Project Information

Project total cost \$158,900. Per attached proposal  
Lighting & controls furnished by Musco Lighting with  
25 year warranty. Pushbutton & strobe controls

Electrical Engineer of record  
Professional Engineering Services Bryan Bowden

Potential sub contractor Advanced Boring, all other  
Work performed by Atkins & Stang Inc. employees  
Utilizing company owned equipment & tools

Preferred start date Mid August, complete late Sept.

Attached is list of similar completed projects

# Scope Review Checklist

## Jeffrey Park LED Lighting



Scope	Musco	Company A	Company B
Meets requirements of the "Buy American" provisions of the American Recovery and Reinvestment Act of 2009.	✓		
Design meets the ANSI/IES RP-6 Recommended Illuminance Criteria for Sports and Recreation Area for Class of Play IV Recreational play; 30 fc average with 2.5:1 uniformity. For both tennis and Pickleball	✓		
Manufacturer warranty length for poles, fixtures, and controls	25-Years		
Warranty includes costs for parts, labor, shipping, equipment rental, and guarantees light levels	✓		
Drivers, control electronics, and fuses can be accessed from a step ladder at approximately 10ft above grade (quickly check fusing without renting lift).	✓		
Lighting structure consists of steel poles with precast concrete or anchor bolt foundations (no direct burial steel or wood)	✓		
Lighting design minimizes light pollution (spill and glare values) at property line; max vertical spill under 0.2 foot-candles max	✓		
Remote control through website or mobile app with 24/7 customer support and proactive monitoring	✓		
Player activated pushbutton control	✓		
All lighting poles located outside court fence. Per IES RP-6 poles located inside fencing between courts presents a hazard to players	✓		
Integrated grounding in base or external ground rod per NFPA 780; ensures pole has mechanical ground (shock hazard)	✓		
Excavate asphalt and dirt for foundations and conduit as needed and remove from site.	✓		
In-ground junction boxes for field lighting	✓		
Install conduit and wiring for field lighting, keep existing feeds operational	✓		
Assemble and erect (6) poles	✓		
Provide hot rolled asphalt patch for all affected trenches and former pole locations	✓		
Make final connections for field lighting	✓		
Perform insulation resistance test on field lighting circuits to identify any faults that could impact lighting system	✓		
Commission lighting system	✓		
Provide Stamped Engineered Electrical Drawings, Permits, and Inspections	✓		
Manufacturer to perform night light test of system to confirm design criteria is met and fine tune system if it does not meet design criteria	✓		
Manufacturer to provide on-site Owner training and site walk thru	✓		

## **FIELDS INSTALLED PROJECTS**

Amelia High School Soccer  
American Legion Chillicothe Ohio  
Anderson Township Riverside Park Baseball and Softball Field  
Anderson Township Riverside Park Soccer Field Lighting  
ATP Cincinnati Tennis  
Avery Park Baseball Field Lighting Retrofit  
Berea High Mast Soccer Repair  
Bishop Brossart Football  
Blacklick School Soccer Field  
Brooking Park Georgetown KY Basketball Court  
Campbell County High School  
Cincinnati Hills Christian Academy Soccer  
City of Covington Randolph Park  
City of Dublin Avery Park  
City of Dublin Tennis and Pickleball Courts  
City of Hilliard Baseball Stadium  
City of Lawrenceburg Indiana Ludlow Park  
City of Madeira Sellman Park  
City of Maysville Soccer Field  
City of Reading Koenig Park  
Clearcreek Park 3480 W Lower Springboro Road  
Dayton Air Ballpark 220 N Patterson Blvd Dayton Ohio  
Delhi Park  
Evendale Rec Center Pickleball Courts  
Fairfield Commons Dicks Practice Field  
Fairfield Football Field  
Fairfield Park Fairborn, Ohio Ballfield Lighting  
Florence Freedom Baseball  
Fryer Park Grove City  
Gallia Academy  
Georgetown Brooking Park  
Glen Este High School  
Greenfield High School Football Stadium  
Hamilton High School  
Hilliard Athletic Complex  
Hillsboro High School Football Field Lighting Installed  
Hillsboro Soccer Field  
Huntington Park  
Indian Hill High School  
Jennings County High School, N Vernon Indiana  
Kenton Ridge High School Springfield Ohio

Lakota East High School  
Lakota West High School  
Larue County High School Baseball and Softball Field Hodgeville KY  
Larue County High School Football Field Hodgeville KY  
Lockland High School  
London High School Field Lighting  
London Middle School Tennis Court Lighting  
Longbranch High School  
Loveland High School  
Lynchburg Clay High School Athletic Complex  
Lynchburg Soccer Field  
Madison Central High School Football Retrofit  
Madison Southern High School Berea KY  
Mason High School  
Mason Sports Complex  
Miami Valley Christian Academy Soccer  
Milford High School Soccer  
Mingo Park Jack Flarance Park Phase II  
Mount Saint Joe Soccer  
National Trails Football Stadium  
New Fairborn High School Tennis Court Lighting  
Northeastern High School Springfield Ohio  
Northern Kentucky University Soccer  
Norwood High School Football  
Notre Dame Soccer Field  
Oak Hills High School  
Owen County Baseball and Football Fields  
Pendleton County High School Baseball Field  
Prasco Park  
Rowan County Morehead KY Football Field Lighting  
Sharonville Kemper Park  
Solzman Park  
South Dearborn Schools  
Springfield Middle School Football & Tennis Courts  
Springfield Schools Soccer Field  
Sycamore High School Sports Complex  
Taft High School  
Thomas More Football  
Three Rivers Soccer and Football Stadiums  
Tom Browning Baseball Field Maysville, KY  
Tri County Assembly Soccer  
Twin Valley Football West Alexandria, Ohio  
University of Cincinnati Baseball Varsity Village

## FIELDS INSTALLED

University of Cincinnati Soccer  
Wald Park Maysville Ohio Field Lighting  
Walton Verona Ballfield Lighting  
Warren County New Soccer Field Lighting Installation  
West Clermont Schools Football and Tennis Courts  
Western Hills High School  
Williamsburg Football Field

PRELIMINARY FOUNDATION AND POLE ASSEMBLY DRAWING

TABLE 1: POLE ASSEMBLY			
POLE ID	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT <sup>3</sup> lb (kg)
P1	30 (9.1)	2	451 (205)
P2	30 (9.1)	2	451 (205)
T1	40 (12.2)	4	659 (299)
T2	40 (12.2)	2	521 (236)
T3	40 (12.2)	2	521 (236)
T4	40 (12.2)	4	659 (299)

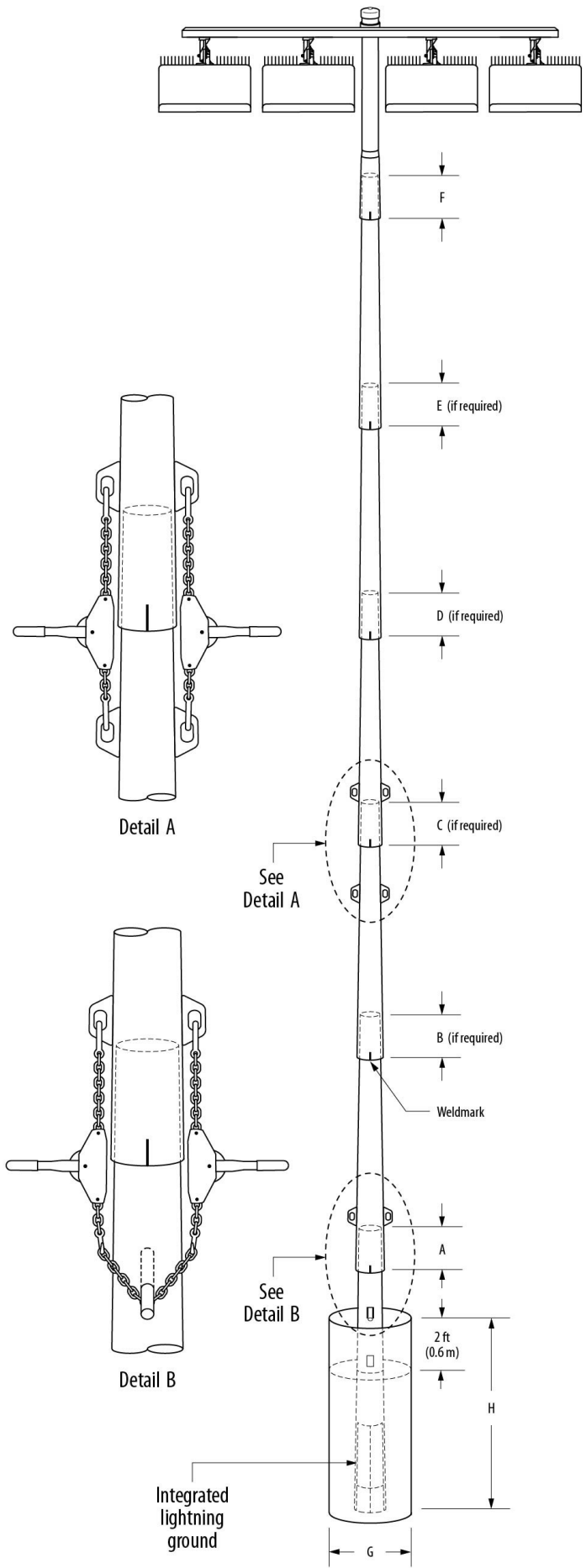
Pole Assembly Notes:

- Steel pole should overlap concrete base and be seated tight with 1 1/2 ton come-alongs (contractor provided).
- Align weldmarks on steel sections before assembling.
- Assembled pole weight includes steel sections, crossarms, luminaires, and electrical components enclosures. If pole has stamped structural design then use pole weight (listed as vertical force) on stamped structural design document.
- Section overlap must be pulled together until tight. Overlap measurement should be +/- 6 in (150 mm).
- This document is not intended for use as an assembly instruction. See *Installation Instructions: Light-Structure System™ Lighting System* for complete assembly procedure.

TABLE 2: FOUNDATION DETAILS							
POLE ID	CONCRETE BASE WEIGHT lb ( kg)	BURIAL INFORMATION <sup>3,4</sup> G in (mm) H ft (m) CONCRETE BACKFILL <sup>1,2</sup> yd <sup>3</sup> ( m <sup>3</sup> )	CUT BASE	LIGHTNING GROUND <sup>5</sup> TYPE	SUPPLEMENTAL INSTRUCTION		
P1	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		
P2	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		
T1	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		
T2	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		
T3	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		
T4	1100 (499)	30 (762) 8 (2.4) 1.0 (0.7)	NO	INTEGRATED <sup>6</sup>	N/A		

Foundation Notes:

- Concrete backfill is calculated to 2 ft (0.6m) below grade (no overage included). Top 2 ft (0.6m) to be class 5 soil compacted to 95% density of surrounding undisturbed soil unless otherwise specified in stamped structural design.
- Concrete backfill required 3000 lb/in<sup>2</sup> (20 MPa) minimum.
- Foundation design per 2021 IBC, 110 mph, exposure category C, variation STD (Risk Category II).
- Assumes IBC class 5 soils.
- Standard bases include integrated lightning protection. If bases are cut, supplemental lightning protection is required. Contact Musco for materials and instruction.
- Lightning protection is a manufacturer installed concrete encased electrode and connector. Ground connection is made when concrete base is installed and footing is poured. No additional steps required.



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Jeffrey Park Tennis & Pickleball Courts - Bexley, OH, USA

Date: 06/12/2025

Scale: Not to Scale

Representative: John Kaufman

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Project: 238624

PRELIMINARY

