

SECTION 1 GRANT APPLICATION

GRANT APPLICATION FORM

1.) Applicant: (Legal name of organization as incorporated in the State of Florida)

City of Ormond Beach

Address: (mailing) P.O. Box 277

City: Ormond Beach State: Florida Zip Code: 32175-0277

Address: (Applicant's physical address) 22 South Beach Street

City: Ormond Beach State: Florida Zip Code: 32174

Federal ID #: 59-6000398

Florida Not-For-Profit Corporation Charter # (IF applicable) _____

Florida Dept. of Agriculture & Consumer Services Registration # (IF applicable) _____

2.) Resident County Council District of Project: District 4

3.) Contact Person:

Name: Loretta Moisio

Title: Grants Coordinator / Public Information Officer

Telephone #: 386-676-3315 E-Mail: Loretta.Moisio@ormondbeach.org

4.) Project Title **Ormond Beach Sports Complex Field Lighting**

5.) Project Location Address: 700 Hull Road

City: Ormond Beach State: Florida Zip Code: 32174

6.) Type of Project: (Check one – See ECHO project categories)

Renovation Restoration **X New Construction** Acquisition

7.) ECHO Category: (Check all that apply – See ECHO categories)

Environmental Cultural Historical **X Outdoor Recreation**

8.) The project site or facility is: (Check one)

X Owned by Applicant Leased by the Applicant – length of lease _____

Applicant has Land/Project Management Agreement – length of Agreement _____

Lease or Land/Project Management Agreement dates: _____ to _____

Note: Leases/Agreements must be binding and non-cancelable.

9.) Is the project site/facility mortgaged or will it be? Yes **X No**

Current Mortgage: \$ _____ Mortgage at Closing: \$ _____

Mortgage length: _____ years Term ending date: _____

Name and Address of Lien Holder: _____

Is the facility in a Community Redevelopment District (CRA)? Yes **X No**

10.) Type of Organization: (must be "A" or "B" to be eligible)

A.) **X Municipal government** or a budgeted organization of Volusia County government.

B.) Not-For-Profit Corporation classified as a 501(c)(3)

11.) Project Funding (Grant Amount Request and Match):

1.) Standard Grant Request (Up to \$400,000.00):

a. Volusia ECHO Program Request	\$	<u>400,000.00</u>
b. Confirmed Match Funds	\$	<u>550,000.00</u>
c. Total Project Cost	\$	<u>950,000.00</u>

12.) Mandatory Workshop was attended by: Loretta Moio Date: 9/29/2017

NOTE: If applying for an Exceptional Grant the form on page 6 must be complete.

13.) List any prior grants received from ECHO: (include year, project name and amount)

- 2005 – Central Park Development - \$205,000
- 2006 – Central Park Development – Boardwalk - \$300,000
- 2007 – The Casements/Rockefeller Gardens Restoration - \$500,000
- 2012 – Skate Park Expansion - \$225,000
- 2014 – Environmental Discovery Center Construction - \$400,000

1.2 MISSION:

1.) Provide the Mission Statement for your organization.

The future of the City of Ormond Beach depends on a partnership among citizens, businesses, civic organizations, elected officials, and City employees. Working together, we can make Ormond Beach one of the most attractive, stimulating, and progressive cities in the nation.

We see Ormond Beach as a community characterized by a high quality of life for all. From our youngest citizens to our oldest, we want to provide significant opportunities for earning, for learning, for leisure and recreation, and for self-expression.

We see Ormond Beach as a community of many dimensions. Among these, we see our City as:

- A family oriented community, striving to provide a safe and supportive environment in which families of all ages can build on their strengths and their traditions.*
- A learning community, in which all citizens may participate in life-long opportunities for personal growth and development, especially as they participate in the strong historic, cultural, artistic, and athletic traditions of the area.*
- An environmentally sensitive community, marked by mature trees, clean water, well-kept neighborhoods, and attractively landscaped thoroughfares.*
- An economically sound community, boasting a diverse economy and a balanced, controlled, but friendly approach to business and development.*
- A diverse community, one in which all citizens and all sectors of the City find meaningful opportunities and one in which all are valued for the unique contribution they make.*
- A responsive community, with a City government that cares and communicates well with the citizenry and provides timely, even-handed, and courteous service to all.*
- A well-run community, offering high quality basic City services in an effective and efficient manner, and encouraging creative and proactive approaches to government.*

- *An involved community, one in which citizens throughout the community acknowledge and respect their differences, but recognize that the accomplishment of our objectives will require the full participation of all.*

1.3 PROJECT TEAM:

- 1.) List the names and addresses of the architect, engineer, design consultants and/or general contractor selected. Include the name(s) of the person(s) who have signed form 1.6.

Joyce Shanahan, City Manager
 Kelly McGuire, Finance Director
 John Noble, P.E., City Engineer
 Paul MacDonald, Principal Landscape Architect
 Cara Culliver, Landscape Architect
 April Martti, Engineering Projects Coordinator
 Robert Carolin, Leisure Services Director
 Loretta Moisio, Grants Coordinator/PIO
 Address for all listed above: P.O. Box 277, Ormond Beach, FL 32175-0277

- 2.) List the person(s) who created the section 3.1 budget and their experience with this type of project.

John Noble, City Engineer, and Paul MacDonald, Principal Landscape Architect, created the budget under section 3.1. Mr. Noble has been with the City for twenty-one years and Mr. MacDonald has been with the City for fifteen years. Both serve as project managers for a large number and variety of projects implemented throughout the City. In addition to other City projects, Mr. Noble and Mr. MacDonald have been responsible for the implementation of all of the City’s ECHO projects since 2005.

- 3.) If a complete list is not available, explain why and when the project team will be selected.

Staff has been working with Musco Lighting to prepare preliminary engineered drawings for this sports field lighting project. These drawings were used to create a capital improvement project budget and to receive Federal Aviation Administration (FAA) pole height approvals for final engineering plans and documents due to the proximity of the Ormond Beach Municipal Airport.

Our plan is to engage an electrical engineering firm in March 2018 to prepare final electrical engineered drawings for permitting and bidding. We will use these final documents to advertise for sealed bids or utilize one of our four construction management firms under continuing contract to formally bid and construct this sports field lighting project. Bidding is anticipated to occur in October 2018 to secure a contractor.

1.4 MANAGEMENT PROSPECTUS:

- 1.) Include a list of the names of staff dedicated to this project, their responsibilities and the percentage of time each will be spending on the project per week.

Staff	Responsibilities	Percentage of Weekly Time
John Noble, P.E., City Engineer	Project Management: Bidding, Award, and Construction	5%

Paul MacDonald, Principal Landscape Architect	Project Management: Bidding, Award, and Construction	15%
Cara Culliver, Landscape Architect	Project Management: Bidding, Award, and Construction	10%
April Martti, Engineering Projects Coordinator	Project Management: Grant Administration	5%
Robert Carolin, Leisure Services Director	Post Construction Management	5%
Stefan Sibley, Assistant Leisure Services Director	Post Construction Management	15%

1.5 RESTRICTIVE COVENANTS – NOTICE OF FUTURE REQUIREMENT IF GRANT IS AWARDED

1.) Do you agree to comply with the requirement to file Restrictive Covenants with the Volusia County Clerk of the Court if ECHO Grant is awarded?(A sample of the Restrictive Covenants language is found on page 49 in the ECHO Application Guide)

YES

NO

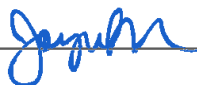


■ If the project of the application is mortgaged or leased property, other than those applying for trails in the County Master Plan or projects on State or Federal land not owned by the applicant, a letter from the Mortgagee or Lessor, stating that they agree to sign the Restrictive Covenants, must be supplied with the application.

■ Applicants with projects on State owned land are automatically exempt from this requirement, but are held to the same liquidated damages cited within the Restrictive Covenants through language found in the final ECHO Agreement for which the grantee is held responsible.

2017/2018 ECHO Grants-in-Aid Standard & Exceptional Grant Application

1.6 FORM – CERTIFICATION OF INFORMATION AND COMPLIANCE

I/We certify that all of the information contained within this application and subsequent attachments is true and correct to the best of my/our knowledge, and that the project for which the application is made shall be in compliance with the Americans with Disabilities Act of 1990, and that should a grant be awarded, the organization agrees to comply with the conditions of the grant award agreement including the Restrictive Covenants.

1.OFFICIAL WITH AUTHORITY TO CONTRACT FOR THE OWNER OF THE PROPERTY	
Signature: <u></u>	_____
Typed Name: <u>Joyce Shanahan, City Manager</u>	
Phone Number: <u>386-676-3200</u>	Date: <u>November 8, 2017</u>
2.OFFICIAL WITH AUTHORITY TO CONTRACT FOR THE APPLICANT	
Signature: <u></u>	_____
Typed Name: <u>Joyce Shanahan, City Manager</u>	
Phone Number: <u>386-676-3200</u>	Date: <u>November 8, 2017</u>
3.CHIEF FINANCIAL OFFICER FOR THE APPLICANT	
Signature: <u></u>	_____
Typed Name: <u>Chris Byle, Assistant Finance Director, for Kelly McGuire, Finance Director</u>	
Phone Number: <u>386-676-3206 / 386-676-3226</u>	Date: <u>November 8, 2017</u>
4.NOT FOR PROFITS ONLY – PRESIDENT, BOARD OF DIRECTORS	
Signature: _____	_____
Typed Name: _____	
Executive Board or Board of Directors meeting when this grant application was reviewed and approved. Meeting Date: _____ Phone Number: _____	

SECTION 2: PROJECT DESCRIPTION

2.1 PROJECT ASSESSMENT

- 1.) Provide a narrative explaining how your project will meet the goals set by *Resolution 2000-156* “to enhance the quality of life for its residents by providing environmental, cultural, historical and outdoor recreational opportunities”. (State your goals in bold type; Describe how this project will impact the community and enhance the quality of life for its citizens; Use real numerical data and insert documents/contract agreements which back up your narrative)

County Resolution 2000-156 seeks to provide “high quality, user oriented outdoor recreational opportunities” throughout the County. As a family oriented community, Ormond Beach consistently works to meet the needs of all of its citizens. In this regard, we continually invest to keep our top notch recreational facilities at their very best as well as **improve and expand** them. Therefore, the City’s goals are in complete alignment with those of the County.

For calendar year 2016, baseball field #3 had 299 cumulative days of programming of 2,503 hours. The usage included the Wendelstedt Umpire School, Seabreeze High School practices, Ormond Beach Girls Softball practices, United States Specialty Sports Association, Florida Travel Baseball, Suncoast Travel Baseball tournaments, flag football practices, Pony pre-season practices, Calvary Christian Academy baseball practices, and out of state high school rentals. During the same time period, for soccer fields #1-3, there was 298 cumulative days of programming of 949 hours. The fields were used for practices and games by Seabreeze High School, Ormond Beach Soccer Club, Ormond Beach Pride Football, Ormond Beach Soccer Clinics, Adult Soccer 6-A-Side, Rugby, and Calvary Christian Academy Soccer.

2.2 PROJECT DESCRIPTION

- 1.) Describe project and construction timeline.

The Ormond Beach Sports Complex is a very active recreational facility with a large variety of amenities situated on approximately 130 acres. The Complex is bounded on the southeast corner by Ormond Beach Municipal Airport and on the west by residential development. The project of this application is to install environmentally friendly LED lighting on baseball field #3, which is the only remaining unlit Wendelstedt playing field, as well as install environmentally friendly LED lighting on soccer fields 1, 2, and 3.

The Harry Wendelstedt Umpire School uses baseball fields at this Complex for its annual umpire training and has been doing so for approximately 40 years. Providing lighting to this one remaining baseball field would expand the usage of this extremely popular sports facility for night time play which is especially true for the fall competitive baseball league.

Currently, the Complex has twelve (12) soccer fields, four (4) full size baseball fields, four (4) T-ball fields (constructed in 2013), five (5) softball fields, a shuffleboard facility with six (6) courts, a picnic area, a meeting facility, four (4) concession stands, paved and unpaved parking areas, as well as overflow parking. The Complex also is the site of the Limitless Playground (constructed in 2011) which is an all inclusive playground for people of all levels and abilities to enjoy as well as another playground which is located near the soccer fields and T-ball fields.

Construction Timeline:

Electrical Engineer Design Consultant: March 2018 – September 2018

Bidding and Contract Award: October 2018 – January 2019

Construction: February 2019 – September 2019

Description	PSC-7	Mar– June 2018	July – Sept 2018	Oct – Jan 2019	Feb– March 2019	Apr - June 2019	July - Sept 2019	Oct 2019
Consultant Services		\$4,000						
Architectural Services		\$15,000						
ECHO Temp Sign					\$1,000			
Lighting Construction Soccer Fields (1-3)					\$500,000			
Lighting Construction Baseball Field #3						\$425,000		
Final ECHO Sign							\$5,000	

- 2.) Document how construction design and operational strategies use “green”/sustainable standards: (give **specific** examples for **this** project – a statement agreeing to follow local guidelines is not acceptable)
- a. Provide a narrative explaining how the project was designed with the environment in mind. What steps have you taken or will you take to reduce/recycle/reuse?: (see examples of recycled products in the ECHO Application Guide)
 - i. The construction phase?
 - ii. The operational phase?

The City of Ormond Beach continually strives to implement green technologies that have low impact on the environment. Staff has been working with the Leisure Service Advisory Board to implement LED lighting projects in the five-year Capital Improvement Plan. This project will be the initial step in bringing LED lighting to the Sports Complex. By implementing LED lighting for the existing three soccer fields and one baseball field, we will reduce the impacts on the environment by lowering energy consumption, CO2 and waste. LED lighting is a far more environmentally friendly, energy efficient and an economically viable option compared to traditional methods, such as fluorescent and halogen lighting. The lower energy usage reduces carbon emissions and is therefore beneficial to the environment. LEDs contain no environmentally harmful substances and with long life expectancy, the impact on the environment is also minimized.

Due to the long life expectancies and superior construction design of LEDs, the operational and maintenance costs will be minimal. They will have an operational life of between 35,000 to 50,000 hours. With regard to life span, 35,000 hours is a 20 year life span if you operate the lights between 4-5 hours per day. Ongoing maintenance is virtually eliminated. The benefits of LED lighting are numerous: environmentally friendly, energy efficient, longer life, cost savings, simple installation, low maintenance, increased safety and better game quality. It’s a win for everyone.

3.) What is the projected date for this project to be completed and accessible to the public?

This project is expected to be open to the public in October 2019.

4.) Describe any additional phases planned for this project.

At the current time, no additional phases for this project are planned.

2.3 Drawings: (Drawings are required by all applicants. Drawings must fold to an 8 ½ X 11 size to fit securely and neatly in the application booklet. Drawings must be to scale with a bar scale and include a legend)

Attachment 1: Drawings (Pages 16-45)

X Street Locator Map **(Page 16)**

X Ormond Beach Sports Complex Boundary Map **(Page 17)**

X Overall Site Plan **(Page 18)**

X Preliminary and schematic drawings

X Lighting Layouts for Soccer Fields (1-3) & Baseball Field #3 **(Page 19)**

X Design and development documents

X Baseball #3 Project Summary, Illumination Summary and Equipment Layout
(Pages 20-22)

X Soccer #1-3 Project Summary and Illumination Summary **(Pages 23-26)**

X Product Information – Light Pole Specification **(Pages 27-45)**

X Construction documents – Lighting Layout and Lighting Photometrics submitted above.

Note: Final Electrical Drawings will be prepared between March–September, 2018, as noted.

Any other drawings which may be helpful in understanding the project scope/features

SECTION 3: BUDGET DETAIL/MATCHING FUNDS

3.1 PROJECT BUDGET DETAIL CHART: Fill out budget chart provided, adding rows as needed. Place match monies in column corresponding to appropriate "Match Code": Explanations of match codes can be found in the guidelines on page 24.

CHART 3.1: CONSTRUCTION PHASE EXPENDITURES ADD ROWS AS NEEDED	UC +	LM +	In-Kind	PSC	= Match	ECHO	Total
General Requirements:							
Mobilization, Waste Collection, etc.							
Contractor Fees							
Subtotal							
Architectural Services:							
Consultant Services	\$4,000				\$4,000		\$4,000
Final Construction Drawings	\$15,000				\$15,000		\$15,000
Subtotal	\$19,000				\$19,000		\$19,000
Site Construction:							
Earthwork							
Parking Lot							
Landscaping							
Subtotal							
Electric:							
Soccer Fields 1, 2, and 3	\$300,000				\$300,000	\$200,000	\$500,000
Baseball Field #3	\$225,000				\$225,000	\$200,000	\$425,000
Subtotal	\$525,000				\$525,000	\$400,000	\$925,000
Equipment:							
Stage lighting and Sound							
Subtotal							
Finishes:							
Floor Coverings							
Plaster							
Painting							
Subtotal							
Renovation of existing building (add lines describing specialized materials, process, etc.):							
Metals:							
Structural							
Subtotal							
Wood and Plastic							
Carpentry							
Plastic Laminate							
Subtotal							
ECHO Signage:							
Temporary	\$1,000				\$1,000		\$1,000
Permanent	\$5,000				\$5,000		\$5,000
Subtotal	\$6,000				\$6,000		\$6,000
Thermal and Moisture:							
Sealant, siding, etc. IP							
Roof							
Subtotal							
PROJECT TOTALS	\$550,000				\$550,000	\$400,000	\$950,000

3.2 MATCH DOCUMENTATION

Please see page 26 in the guide for a more in depth explanation of documentation.

1.) Provide official documentation of Match:

- a. Unencumbered Cash (UC):
 - i. Current Bank Statement **OR**
 - ii. Copy of signed resolution including pledged dollar amount, project name and dates the funds will be available **Attachment 2: City Commission Resolution (Pages 47-48)**
- b. Irrevocable Pledges (UC):
 - i. Notarized letter stating the pledged amount, the purpose of the pledge and the date the funds will be available (must include an itemized budget if pledge is for services).
 1. Pledged funds must be in the bank prior to the Grant Review Panel.
- c. In-Kind Services (IK) services/donations must have taken place no more than 7 years prior to the project:
 - i. Itemized list of products/services to include name of person/organization, description of goods/services, fair market value of in-kind contribution and date goods/services were provided.
 - ii. Future in-kind donations must have notarized letter from donor describing items/services and value of such.
 - iii. Previously provided in-kind service/donations do not require backup in this application, however, official documentation must be available for review upon request.
- d. Previously Spent Cash (PSC)
 - i. The encumbrances or cash expenditures completed within the seven (7) year period prior to the application.
- e. Land Match (LM) (trails of the County's Master Plan, projects on State or Federal land and property donated by the County are not eligible for match):
 - i. Copy of deed
 - ii. Copy of appraisal (property appraisal assessment or recent outside appraisal)

SECTION 4: OPERATING FORECAST DETAIL

4.1 OPERATING FORECAST NARRATIVE

- 1.) Compose a narrative explaining the use of the facility/project and related costs. Narrative should include what staff will be needed, what additional maintenance will be required, what new programs will be added, etc.

The addition of LED lighting will provide for expanded playing time on all four of fields. The selected vendor will have a twenty-five (25) year full coverage warranty that will include all LED components critical to the operation of the lighting system. During this timeframe, there will be little to no maintenance costs. Additional staff will not be required.

- 2.) Provide Business Plan, Feasibility Study and Marketing Plan.

Currently, the Ormond Beach Sport Complex partners with Volusia County Schools, the Daytona Beach Convention and Visitors Bureau, the Ormond Beach Youth Sports Associations, Bethune Cookman College, various local, state and national sport associations. Building off our current partnerships and increased field usage hours provided by LED sports field lighting, we are anticipating additional interest from various tournaments, rentals and leagues annually. A feasibility study was done in 2005 as part of the Parks & Recreation Master Plan for the Ormond Beach Sports Complex.

Press releases will be sent out to all the local relevant media outlets promoting upcoming events and activities that the new LED lighting will help provide at the Sports Complex. The LED sports field lighting project will benefit four fields which include three soccer fields and one baseball field. The information about the location and addition of LED lighting will be posted on the Sports Volusia website, the Ormond Beach website and the City of Ormond Beach Leisure Services social media outlets.

- 3.) List a fee schedule or state "No fees will be charged" (schedule should include members, non-members, reduced prices, etc.)

A uniform fee structure for all of Volusia County residents will be charged based on usage, duration and specifics needed for preparation of the individual fields. **Attachment 3: Baseball Fields and Soccer Fields Fee Schedule (Page 50)**

- 4.) Describe Maintenance and Replacement Plan (including fund source and depreciation plan).

The selected vendor will have a twenty-five (25) year full coverage warranty that will include all LED components critical to the operation of the lighting system. During this timeframe, there will be little to no maintenance costs. The City of Ormond Beach has a full-time Leisure Services Department with sixty-three (63) employees and is responsible for all City facility staffing, programming and maintenance. In addition, the City of Ormond Beach maintains a continuing contractor program through multiple approved vendors that perform various levels of service.

4.2 FISCAL STABILITY

1.) Fill out Form 4.2 Business Information.

4.2 BUSINESS INFORMATION				
Operational funding for this organization	Prior Completed FY 15 - 16	Current FY 16 - 17	Projected FY 17 - 18	Next Projected FY 18 - 19
Fundraising, Memberships, Donations, etc.	0	0	0	0
County Grant(s)/Funds (other than ECHO)	0	0	0	0
Grant(s)/Funds - other (non county)	0	0	0	0
Cash Donations	0	0	0	0
fl	0	0	0	0
Administrative Costs	62,667.97	63,898.16	65,815.10	67,789.55
Program Costs	1,217,897.85	1,327,294.46	1,467,598.00	1,511,625.94
Educational & Educational Outreach Programs	0	0	0	0
Contractor Services (for this project)	0	0	0	0
Marketing & Advertising	250	250	250	250
Payroll Total Expense	271,094.93	145,441.84	149,805.10	154,299.25
TOTALS	1,511,910.75	1,536,884.46	1,683,468.20	1,733,964.74
Number of Full-time Employees	4	4	4	4
Number of Part-time Employees	7	7	7	7
Volunteer Hours	1,739	1,791	1,844	1,899
Value of Volunteer Hours (@\$9.00 hr)	15,651	16,119	16,596	17,091
TOTALS				

2.) Has this organization defaulted on any grant in the past five years? If so, please explain.

The City of Ormond Beach has not defaulted on any grants.

4.3 FINANCIAL AUDIT/REVIEW/AGREED UPON PROCEDURES

1.) Insert the appropriate required documents listed in the Application Guide on page 31 & 32.

Attachment 4: Financial Audit (Pages 52-61)

SECTION 5: SUPPORTING DOCUMENTS

NOT FOR PROFIT ONLY:

- 1.) Attach official IRS letter granting Not-for-Profit 501(c)(3) status in Florida.
- 2.) Attach the organization's most recent Uniform Business Report (also referred to as an Annual Report) filed with the State of Florida, Divisions of Corporations.

UNRESTRICTIVE OWNERSHIP OR UNDISTURBED USE OF FACILITY:

- 1.) Attach unrestricted ownership/undisturbed use documentation unless the project is an acquisition of real property. Insert a letter of intent to sell from the owner for Acquisition Projects.

Attachment 5: Proof of Ownership (Pages 63-71)

You may provide further information to demonstrate how your program will benefit the citizens of Volusia County. Do not include any information already required in Sections 1 – 4.

Attachment Guide

Attachment 1: Drawings **15**

 Street Locator Map 16

 Ormond Beach Sports Complex Boundary Map 17

 Overall Site Plan 18

 Lighting Layouts for Soccer Fields (1-3) & Baseball Field #3 19

 Baseball #3 Project Summary 20

 Baseball #3 Project Illumination Summary 21

 Baseball #3 Project Equipment Layout 22

 Soccer Fields #1-3 Project Summary 23

 Soccer Field #1 Illumination Summary 24

 Soccer Field #2 Illumination Summary 25

 Soccer Field #3 Illumination Summary 26

 Product Information – Light Pole Specification 27-45

Attachment 2: City Commission Resolution..... **46**

 City Commission Resolution Number 2017-212 47-48

Attachment 3: Baseball Fields and Soccer Fields Fee Schedule..... **49**

 Ormond Beach Sports Complex – Baseball Fields & Soccer Fields 50

Attachment 4: Financial Audit **51**

 Basic Financial Statement 52-57

 Management Letter 58-59

 Opinion Letter 60

 Response Letter 61

Attachment 5: Proof of Ownership **62**

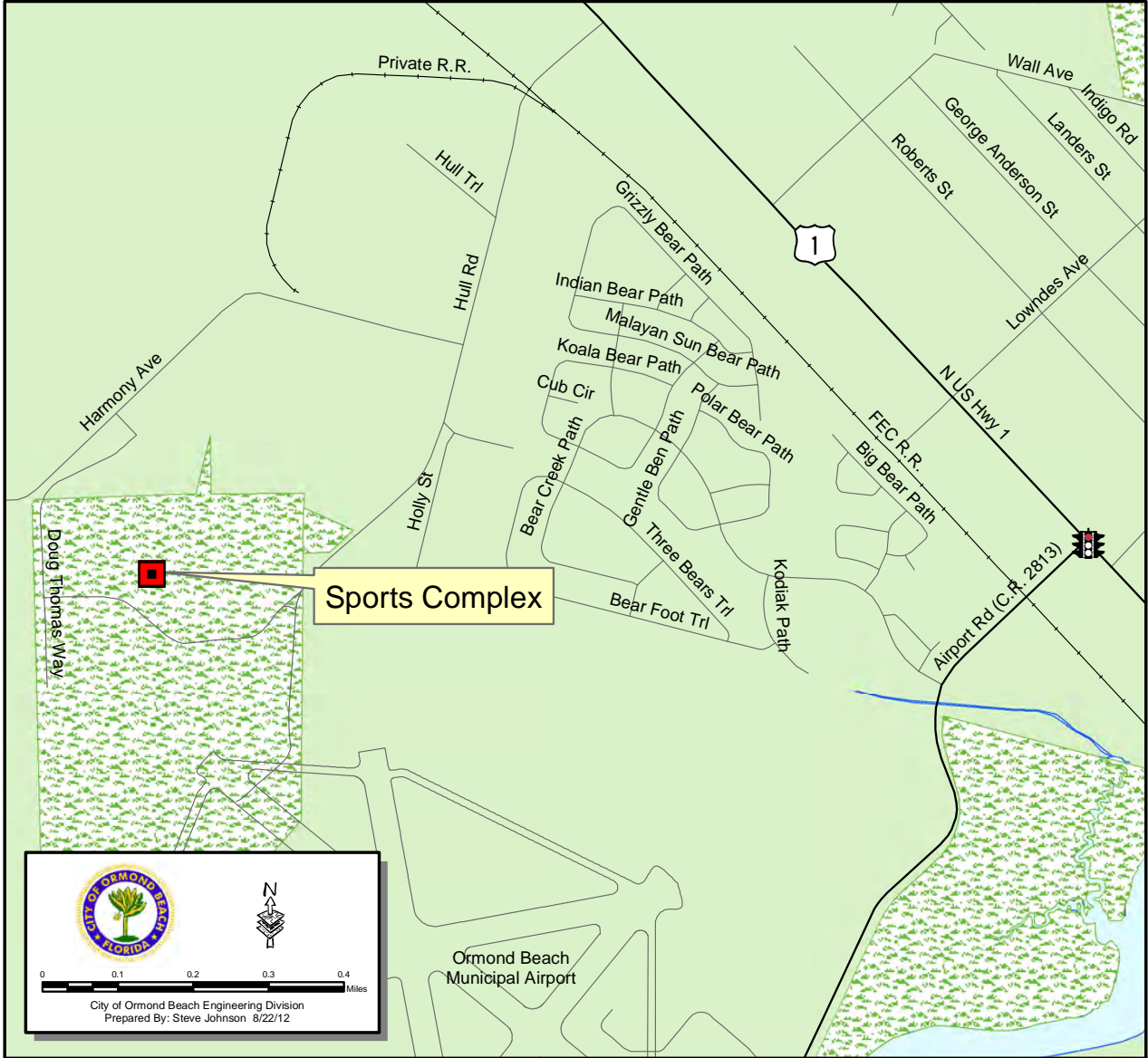
 Copy of Quitclaim Deed 63-70

 Property Boundary Map 71

Attachment 1:

Drawings

Ormond Beach Sports Complex Location Map



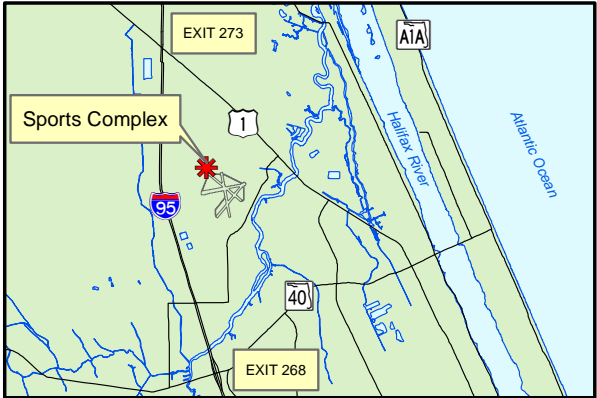
Driving Instructions

From I-95 Northbound:

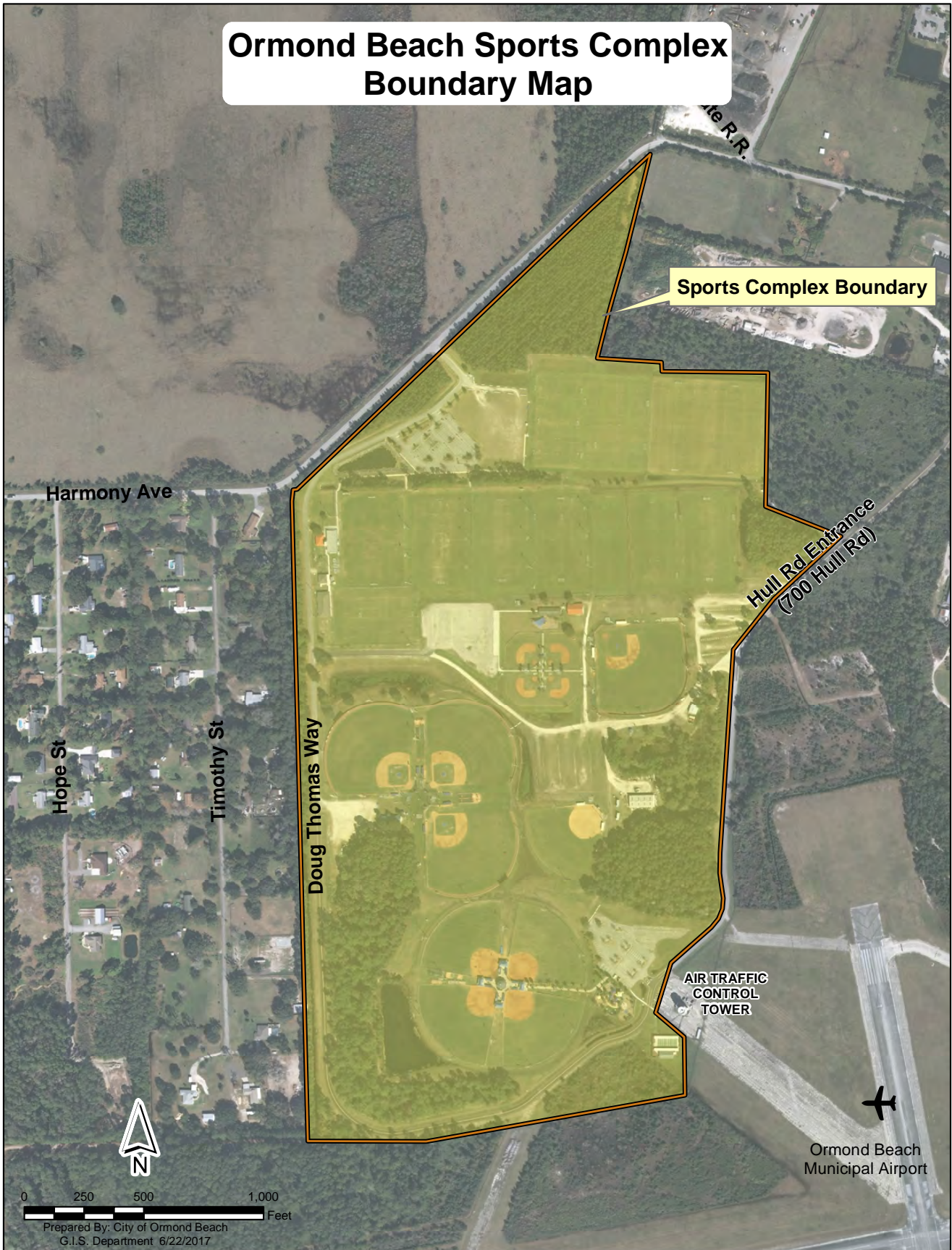
- Get off at Exit #268 and turn right on SR 40 (W Granada Blvd).
- Continue east on SR 40 approx. 2.5 miles to Nova Rd (SR5A).
- Turn left on Nova Road for approx. 1.5 miles to US Hwy 1.
- Turn left on US Hwy 1 for approx. 2 miles to Hull Road.
- Turn left on Hull Road for 1 mile to Harmony Avenue.
- Turn right on Harmony Ave for 0.5 mile to the Sports Complex entrance.

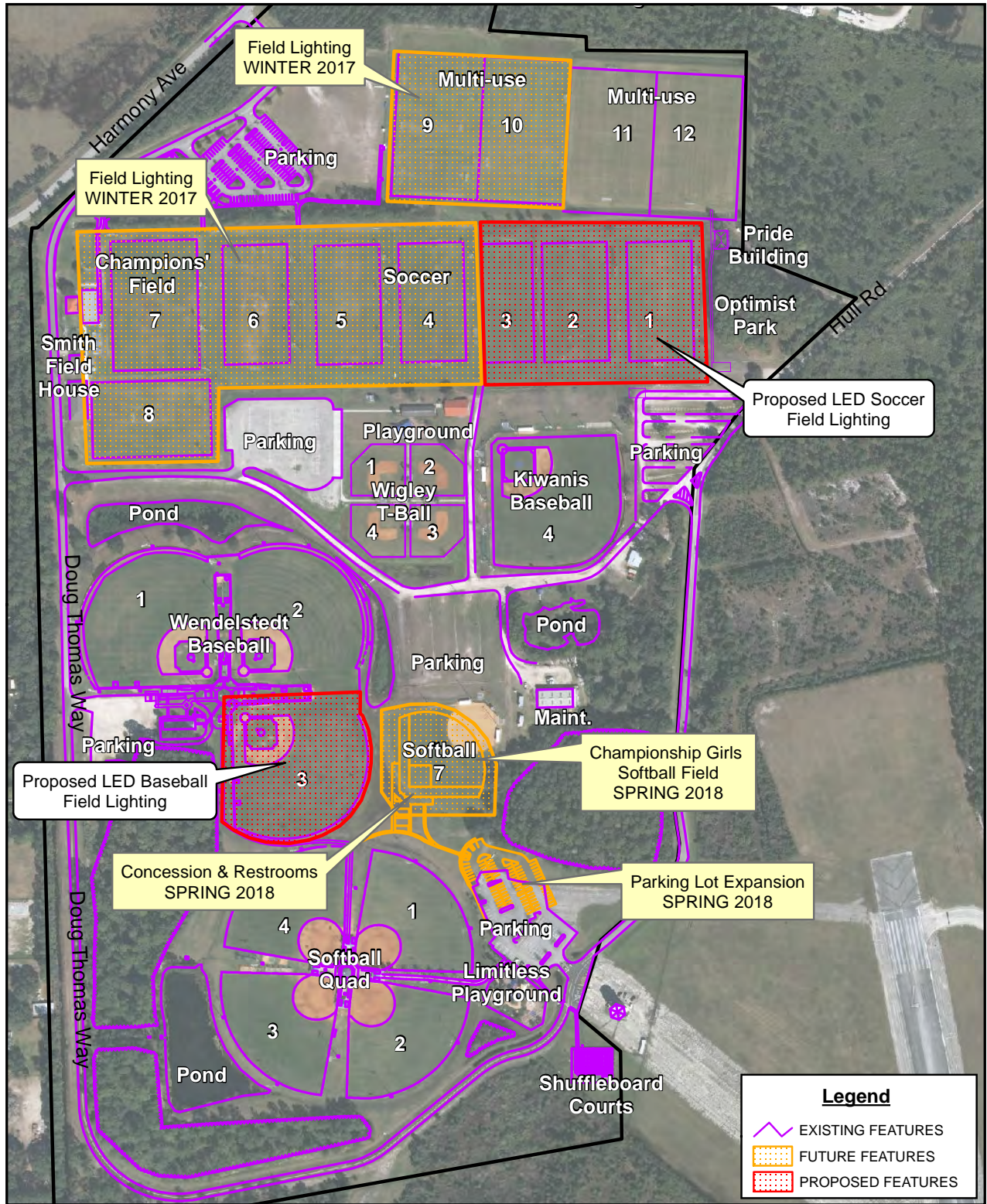
From I-95 Southbound:

- Get off at Exit #273 and turn left on US Hwy 1.
- Continue south on US Hwy 1 approx. 2 miles to Hull Road.
- Turn right on Hull Road for 1 mile to Harmony Avenue.
- Turn right on Harmony Ave for 0.5 mile to the Sports Complex entrance.



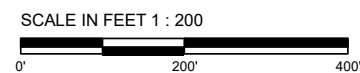
Ormond Beach Sports Complex Boundary Map






Ormond Beach Sports Complex
Overall Site Plan
- Sports Field Lighting -


 0 75 150 300 Feet
 Prepared By: City of Ormond Beach
 G.I.S. Department 10/23/2017



ENGINEERED DESIGN By: Brad Ver Steegh • File #185699AR1 • 16-Oct-17

Ormond Beach Sports Complex

Ormond Beach, FL

EQUIPMENT LAYOUT

INCLUDES:

- Soccer 1 · Soccer 3
- Soccer 2 · Baseball 3

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	Pole		Luminaires		QTY / POLE
		SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	
2	A7-A8	70'	-	15' 70'	TLC-BT-675 TLC-LED-1150	1 5
2	B7-B8	90'	-	15' 90'	TLC-BT-675 TLC-LED-1150	1 8
2	C13-C14	70'	-	15' 70'	TLC-BT-675 TLC-LED-1150	2 4
2	D13-D14	70'	-	15' 70'	TLC-BT-675 TLC-LED-1150	1 4
1	S1	60'	-	60'	TLC-LED-1150	4
1	S2	60'	-	60'	TLC-LED-1150	3
1	S3	60'	-	50' 60'	TLC-LED-1150 TLC-LED-1150	1 4
1	S4	60'	-	50' 60'	TLC-LED-1150 TLC-LED-1150	1 4/3*
1	S5	60'	-	60'	TLC-LED-1150	3/4*
1	S6	60'	-	60'	TLC-LED-1150	4/3*
2	S7-S8	60'	-	60'	TLC-LED-1150	5/5*
16	TOTALS					106

* This structure utilizes a back-to-back mounting configuration

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-BT-675	4.0	3.8	3.5	3.0	2.4	2.2	1.8
TLC-LED-1150	6.8	6.5	5.9	5.1	4.1	3.7	3.0

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Ormond Beach Baseball Field 3

Ormond Beach, FL

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Group
A7-A8	70'	70'	5	TLC-LED-1150	5.75 kW	G
		15'	1	TLC-LED-675	0.68 kW	G
B7-B8	90'	90'	8	TLC-LED-1150	9.20 kW	G
		15'	1	TLC-LED-675	0.68 kW	G
C13-C14	70'	70'	4	TLC-LED-1150	4.60 kW	G
		15'	2	TLC-LED-675	1.35 kW	G
D13-D14	70'	70'	4	TLC-LED-1150	4.60 kW	G
		15'	1	TLC-LED-675	0.68 kW	G
8			52		55.05 kW	

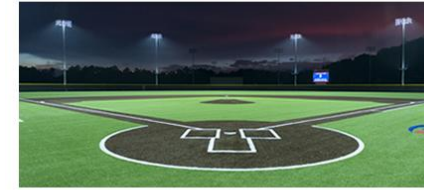
Group Summary				
Group	Description	Avg Load	Max Load	Fixture Qty
G	Baseball 3	55.05 kW	55.05 kW	52

Fixture Type Summary								
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity	
TLC-LED-675	LED 5700K - 75 CRI	675W	48,000	--	--	--	10	
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>51,000	>51,000	>51,000	42	

Light Level Summary

Calculation Grid Summary							
Grid Name	Calculation Metric	Illumination				Groups	Fixture Qty
		Ave	Min	Max	Max/Min		
Baseball 3 (Infield)	Horizontal Illuminance	52.1	37	60	1.64	G	52
Baseball 3 (Outfield)	Horizontal Illuminance	30.3	24	39	1.67	G	52

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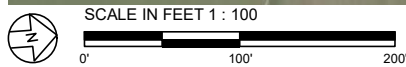
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PROJECT SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A7-A8	70'	-	15'	TLC-LED-675	1	1	0
				70'	TLC-LED-1150	5	5	0
2	B7-B8	90'	-	15'	TLC-LED-675	1	1	0
				90'	TLC-LED-1150	8	8	0
2	C13-C14	70'	-	15'	TLC-LED-675	2	2	0
				70'	TLC-LED-1150	4	4	0
2	D13-D14	70'	-	15'	TLC-LED-675	1	1	0
				70'	TLC-LED-1150	4	4	0
8	TOTALS					52	52	0



Pole location(s) Ⓧ dimensions are relative to 0,0 reference point(s) ⊗

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Ormond Beach Baseball Field 3

Ormond Beach, FL

GRID SUMMARY

Name:	Baseball 3
Size:	325'/400'/325' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

	MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield	
Guaranteed Average:	50	30	
Scan Average:	52.08	30.29	
Maximum:	60	39	
Minimum:	37	24	
Avg / Min:	1.43	1.29	
Guaranteed Max / Min:	2	2.5	
Max / Min:	1.64	1.67	
UG (adjacent pts):	1.27	1.51	
CU:	0.78		
No. of Points:	25	119	
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	48,000 / 121,000 lumens		
No. of Luminaires:	52		
Total Load:	55.05 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-675	--	--	--
TLC-LED-1150	>51,000	>51,000	>51,000
Reported per TM-21-11. See luminaire datasheet for details.			

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Ormond Beach Baseball Field 3

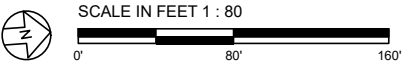
Ormond Beach, FL



EQUIPMENT LAYOUT	
INCLUDES: · Baseball 3	
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.	
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.	

EQUIPMENT LIST FOR AREAS SHOWN						
Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE
2	A7-A8	70'	-	15'	TLC-LED-675	1
				70'	TLC-LED-1150	5
2	B7-B8	90'	-	15'	TLC-LED-675	1
				90'	TLC-LED-1150	8
2	C13-C14	70'	-	15'	TLC-LED-675	2
				70'	TLC-LED-1150	4
2	D13-D14	70'	-	15'	TLC-LED-675	1
				70'	TLC-LED-1150	4
TOTALS						52

SINGLE LUMINAIRE AMPERAGE DRAW CHART							
Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Other	-	-	-	-	-	-	-
TLC-LED-1150	7.0	6.6	6.1	5.2	4.2	3.8	3.0



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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EQUIPMENT LAYOUT

Ormond Beach Soccer Fields (1-3)

Ormond Beach, FL

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Group
S1	60'	60'	4	TLC-LED-1150	4.60 kW	A
S2	60'	60'	3	TLC-LED-1150	3.45 kW	A
S3	60'	60'	4	TLC-LED-1150	4.60 kW	A
		50'	1	TLC-LED-1150	1.15 kW	M
S4	60'	60'	4	TLC-LED-1150	4.60 kW	A
		60'	3	TLC-LED-1150	3.45 kW	B
		50'	1	TLC-LED-1150	1.15 kW	M
S5	60'	60'	3	TLC-LED-1150	3.45 kW	A
		60'	4	TLC-LED-1150	4.60 kW	B
S6	60'	60'	4	TLC-LED-1150	4.60 kW	A
		60'	3	TLC-LED-1150	3.45 kW	B
S7-S8	60'	60'	5	TLC-LED-1150	5.75 kW	B
		60'	5	TLC-LED-1150	5.75 kW	C

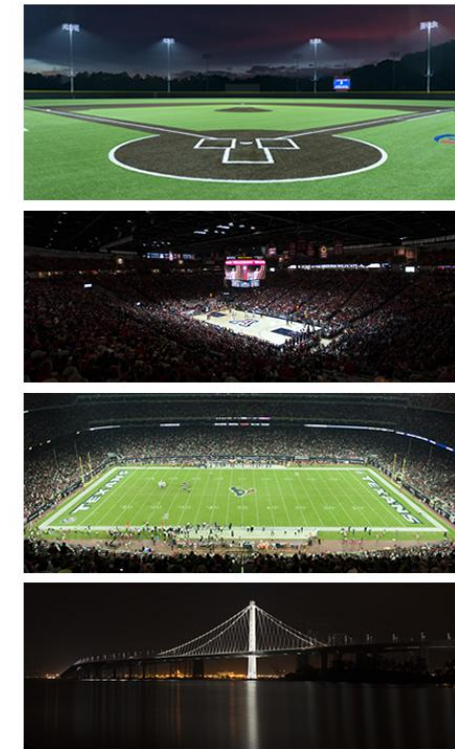
Group Summary				
Group	Description	Avg Load	Max Load	Fixture Qty
A	Soccer 1	25.3 kW	25.3 kW	22
B	Soccer 2	23.0 kW	23.0 kW	20
C	Soccer 3	20.7 kW	20.7 kW	18

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>51,000	>51,000	>51,000	60

Light Level Summary

Calculation Grid Summary							
Grid Name	Calculation Metric	Illumination				Groups	Fixture Qty
		Ave	Min	Max	Max/Min		
Soccer 1	Horizontal Illuminance	30.1	24	40	1.67	N	2
Soccer 2	Horizontal Illuminance	30.1	24	41	1.86	J	24
Soccer 3	Horizontal Illuminance	30.1	23	41	1.84	K	24
Soccer 12	Horizontal Illuminance						

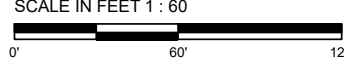
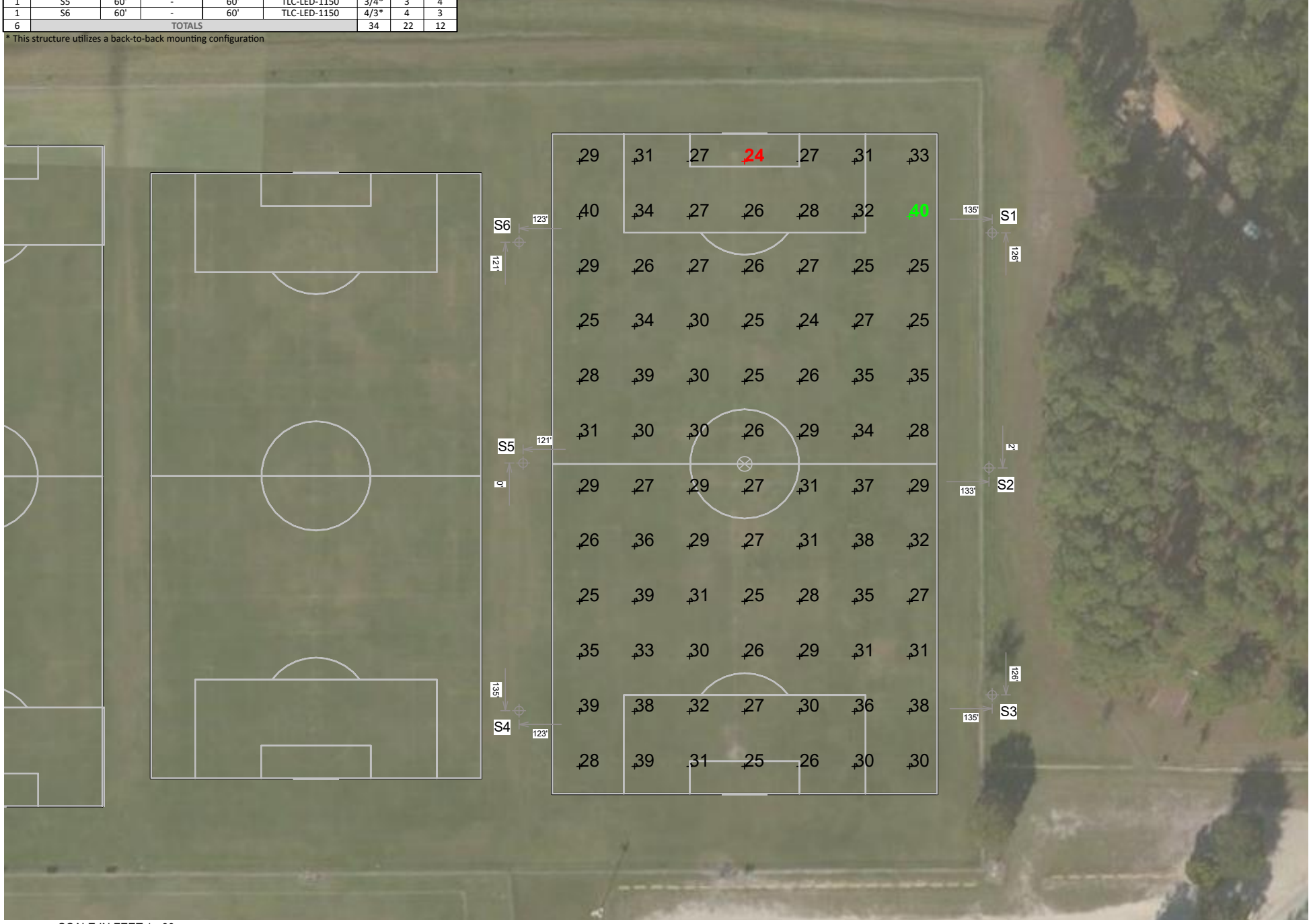
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EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S1	60'	-	60'	TLC-LED-1150	4	4	0
1	S2	60'	-	60'	TLC-LED-1150	3	3	0
1	S3	60'	-	50'	TLC-LED-1150	1	0	1
				60'	TLC-LED-1150	4	4	0
1	S4	60'	-	50'	TLC-LED-1150	1	0	1
				60'	TLC-LED-1150	4/3*	4	3
1	S5	60'	-	60'	TLC-LED-1150	3/4*	3	4
1	S6	60'	-	60'	TLC-LED-1150	4/3*	4	3
6	TOTALS					34	22	12

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ⊗

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Ormond Beach Sports Complex
Ormond Beach, FL

GRID SUMMARY	
Name:	Soccer 1
Size:	360' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	30.12
Maximum:	40
Minimum:	24
Avg / Min:	1.28
Guaranteed Max / Min:	3
Max / Min:	1.70
UG (adjacent pts):	1.60
CU:	0.84
No. of Points:	84

LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	121,000 lumens		
No. of Luminaires:	22		
Total Load:	25.3 kW		

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



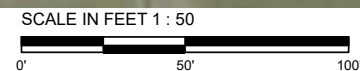
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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S4	60'	-	50'	TLC-LED-1150	1	0	1
				60'	TLC-LED-1150	4/3*	3	4
1	S5	60'	-	60'	TLC-LED-1150	3/4*	4	3
1	S6	60'	-	60'	TLC-LED-1150	4/3*	3	4
2	S7-S8	60'	-	60'	TLC-LED-1150	5/5*	5	5
5	TOTALS					42	20	22

* This structure utilizes a back-to-back mounting configuration



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗

Ormond Beach Sports Complex
Ormond Beach, FL

GRID SUMMARY	
Name:	Soccer 2
Size:	330' x 180'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
Entire Grid			
Guaranteed Average:	30		
Scan Average:	30.05		
Maximum:	41		
Minimum:	24		
Avg / Min:	1.25		
Guaranteed Max / Min:	3		
Max / Min:	1.70		
UG (adjacent pts):	1.64		
CU:	0.87		
No. of Points:	77		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	121,000 lumens		
No. of Luminaires:	20		
Total Load:	23.0 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	S7-S8	60'	-	60'	TLC-LED-1150	5/5*	5	5
1	S9	60'	-	60'	TLC-LED-1150	1	0	1
1	S10	60'	-	60'	TLC-LED-1150	6/4*	4	6
4	TOTALS						41	23

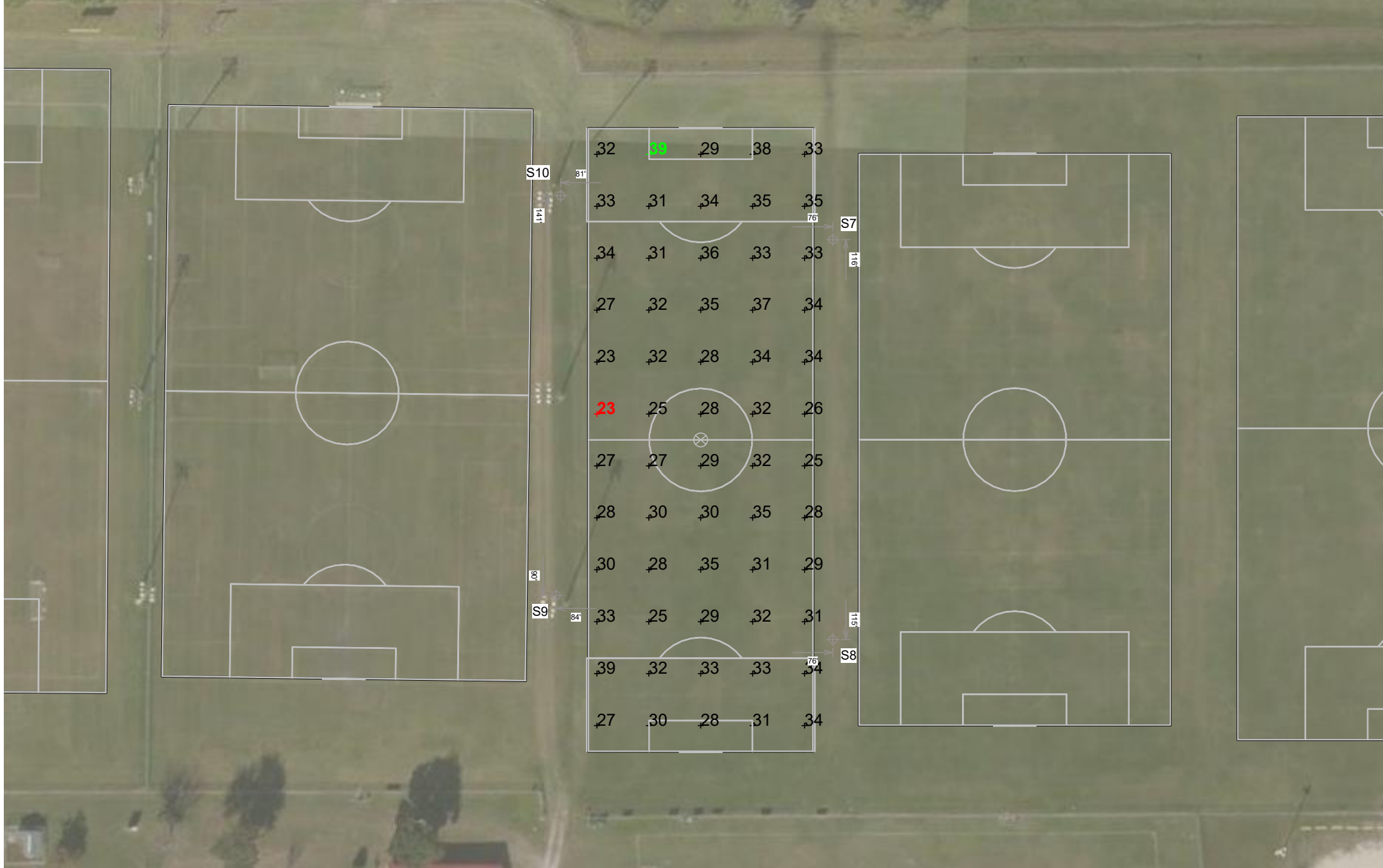
* This structure utilizes a back-to-back mounting configuration

Ormond Beach Sports Complex
Ormond Beach, FL

GRID SUMMARY	
Name:	Soccer 3
Size:	360' x 130'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
Entire Grid			
Guaranteed Average:	30		
Scan Average:	31.20		
Maximum:	39		
Minimum:	23		
Avg / Min:	1.38		
Guaranteed Max / Min:	3		
Max / Min:	1.73		
UG (adjacent pts):	1.41		
CU:	0.77		
No. of Points:	60		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	121,000 lumens		
No. of Luminaires:	18		
Total Load:	20.7 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.



Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

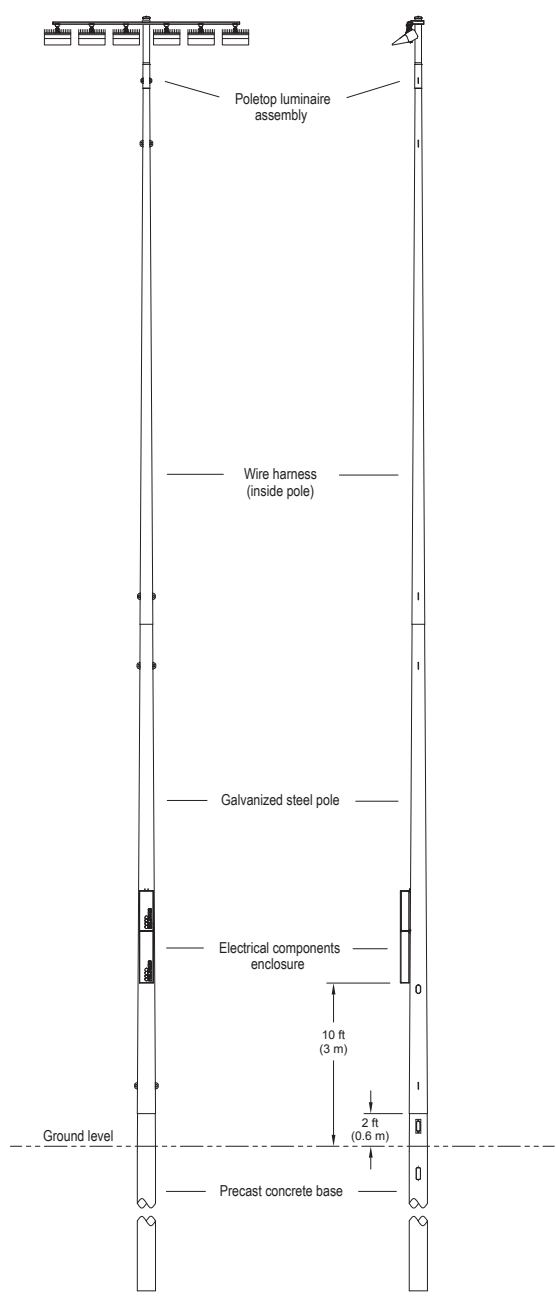


F. PRODUCT INFORMATION



Ormond Beach Soccer Fields 4 5 6, 185699

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PRELIMINARY

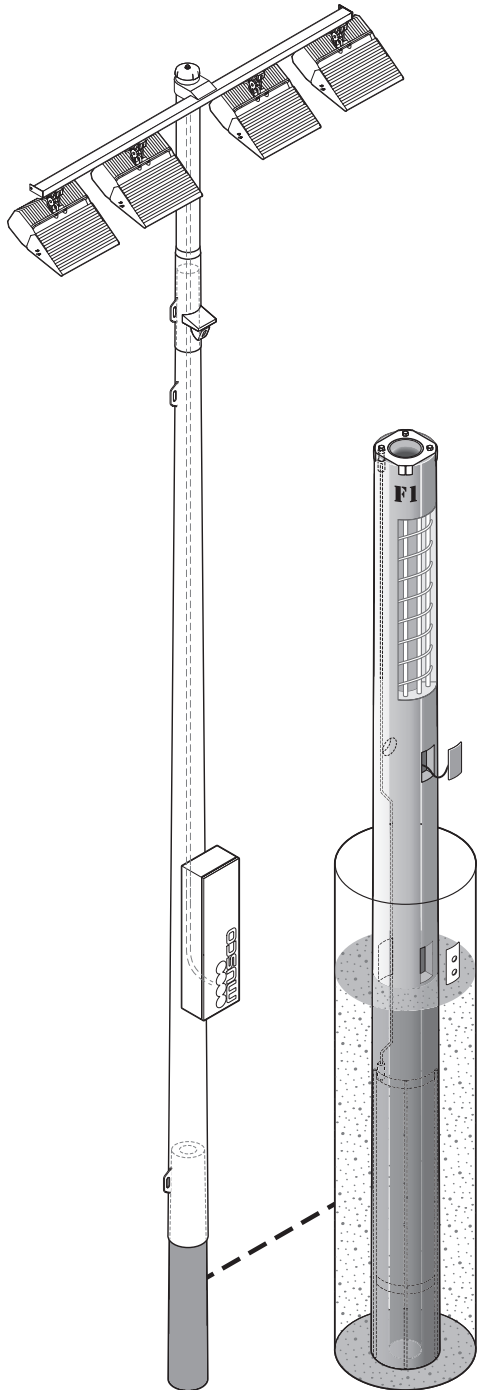
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DRAWING NUMBER	RWS
APPROVED BY	TDM
SCALE	Not to scale
DATE	08/25/16
PROJECT NUMBER	M-151-4004-1_06

Light-Structure System™ typical configuration
 TLC-LED-1150 Luminaires

MUSCO
Lighting

CORPORATE OFFICE:
 P.O. Box 808
 Oskaloosa, Iowa 52577
 +1-800-825-6020
 +1-641-673-3411

TLC for LED™ – Precast Concrete Base



Overview

The precast concrete base is set directly into the ground and backfilled with concrete. The base includes an integrated lightning ground system.

Features

Base

- Set pole on base in 24 hours
- Tapered upper section for slip-fit steel pole
- Access holes for wire entry
- Epoxy-coated ends prevent water intrusion
- Lifting hole accepts load-rated steel rod provided by Musco

Integrated Lightning Ground System

- Complies with NFPA 780, UL 96A, and EN 62305 standards when installed per Musco installation instructions
- UL Listed, Class II Lightning Protection, file number E337467
- Tested up to 100 kA by independent laboratory
- Steel pole interfaces with integrated grounding system by means of the pole grounding connector
- 2/0 AWG (crosssectional area of 67.4 mm²) grounding electrode conductor
- Concrete-encased grounding electrode, 20 feet (6.1 m) total length, ½ inch (12.7 mm) diameter

Technical Specifications

Base dimensions vary. For measurements refer to project-specific *Foundation and Pole Assembly* drawing.

Construction

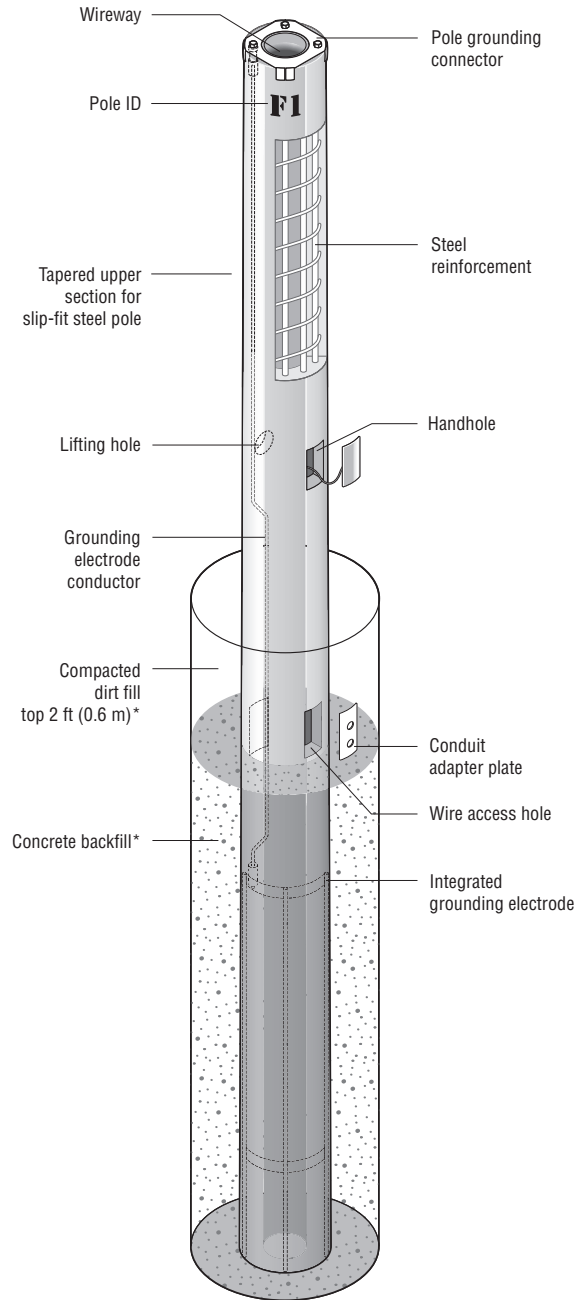
- Spun concrete construction
- Prestressed steel vertical strands and coil spiral for strength throughout base
- Minimum design strength is 9500 lb/in² (65.5 MPa) at 28 days
- Meets ASTM C1804 design requirements

Quality Assurance Tests

- 28-day compressive strength
- Bending moment capacity
- Grounding system continuity



TLC for LED™ – Precast Concrete Base



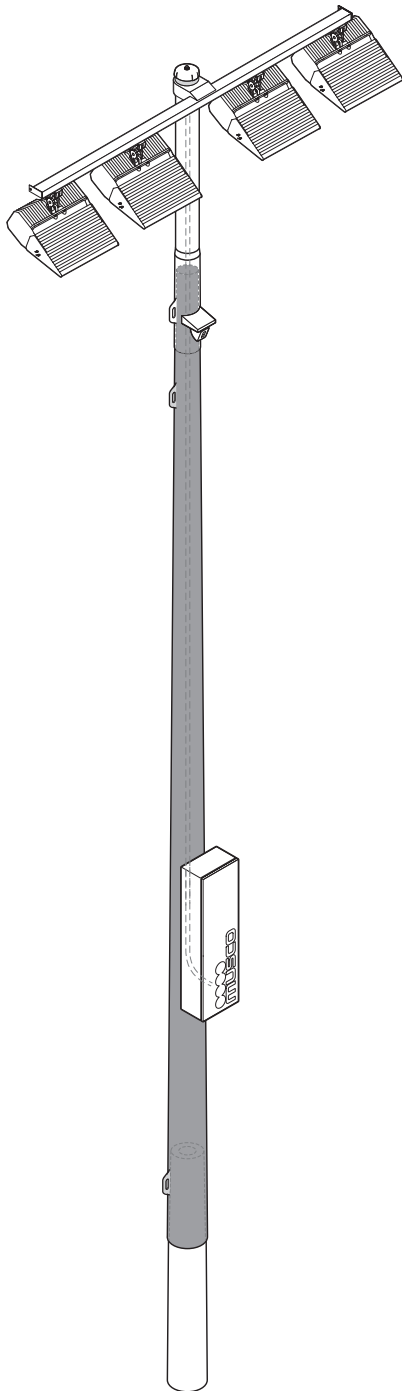
*Standard pier foundation shown. Foundation and/or backfill may vary per alternate foundation design.



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TLC for LED™ – Galvanized Steel Pole



Overview

The galvanized steel pole is designed to slip-fit together with the precast concrete base and the poletop luminaire assembly.

Features

- Slip-fit connection allows pole assembly with come-alongs
- Built-in hardware for attaching electrical components enclosure
- Wire access from inside the pole (no exposed wiring or conduit)
- Shipped in sections for easier handling
- Labeled with pole identification for location on field

Technical Specifications

Pole dimensions vary. For measurements refer to project specific pole configuration drawing.

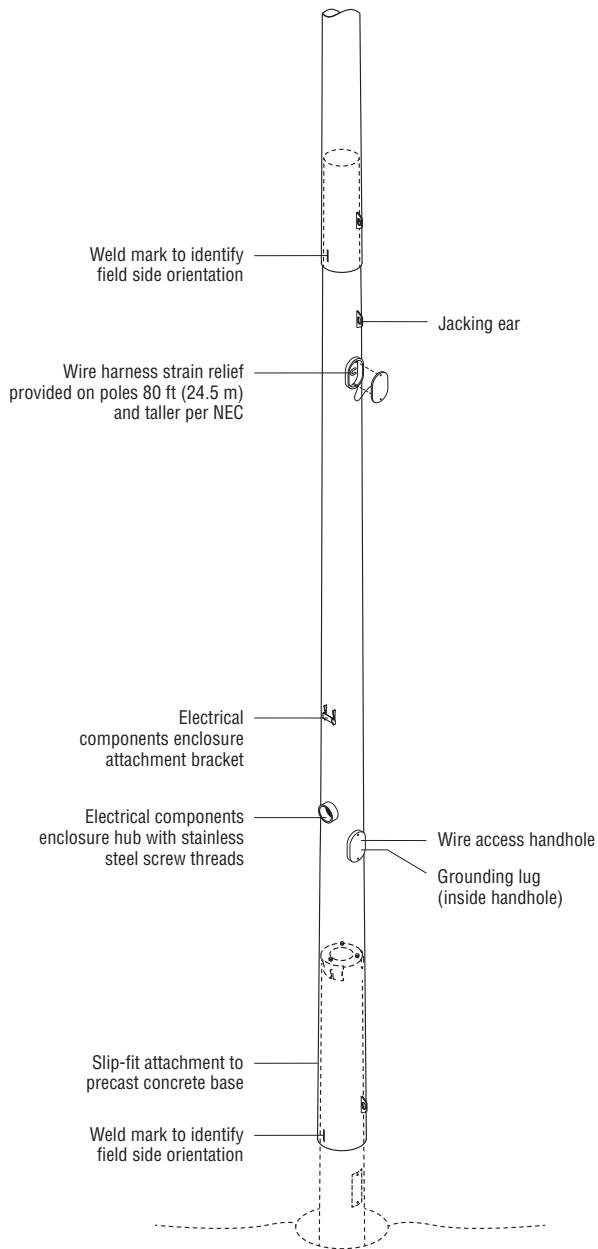
Construction

- Pole designs comply with all major building codes
- High strength, low alloy, tapered, round steel pole
- Hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- Conforms to AASHTO stress standards and BS EN 40-3-1
- Grounding lug—rated for aluminum (AL) or copper (CU) wiring
- Pole shipped in sections
- Stainless steel fasteners passivated and coated
- Material certifications are available

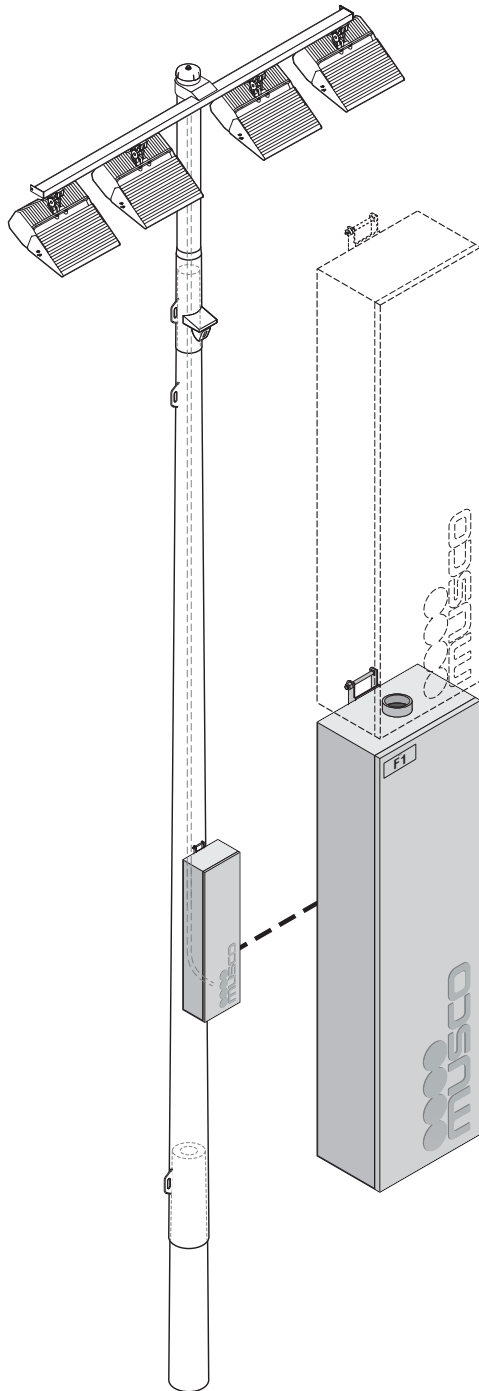
Quality Assurance Tests

- Bending stress
- Minimum galvanizing thickness
- Straightness measurement

TLC for LED™ – Galvanized Steel Pole



TLC for LED™ – Electrical Components Enclosure



Overview

The electrical components enclosure contains all necessary equipment to operate luminaires. Built-in mounting hardware allows for easy attachment to the galvanized steel pole. Quick connect plugs fasten to the wire harness.

Features

- Factory-built and tested as a unit
- Quick connect plug for easy field wiring
- Mounted 10 ft (3 m) above grade for servicing with ladder
- Labeled with pole identification and electrical information
- Drivers individually fused and spare fuses supplied
- Wire access from inside the pole (no exposed wiring or conduit)
- Disconnect per circuit

Technical Specifications

For amperage draws and circuitry refer to project specific document.

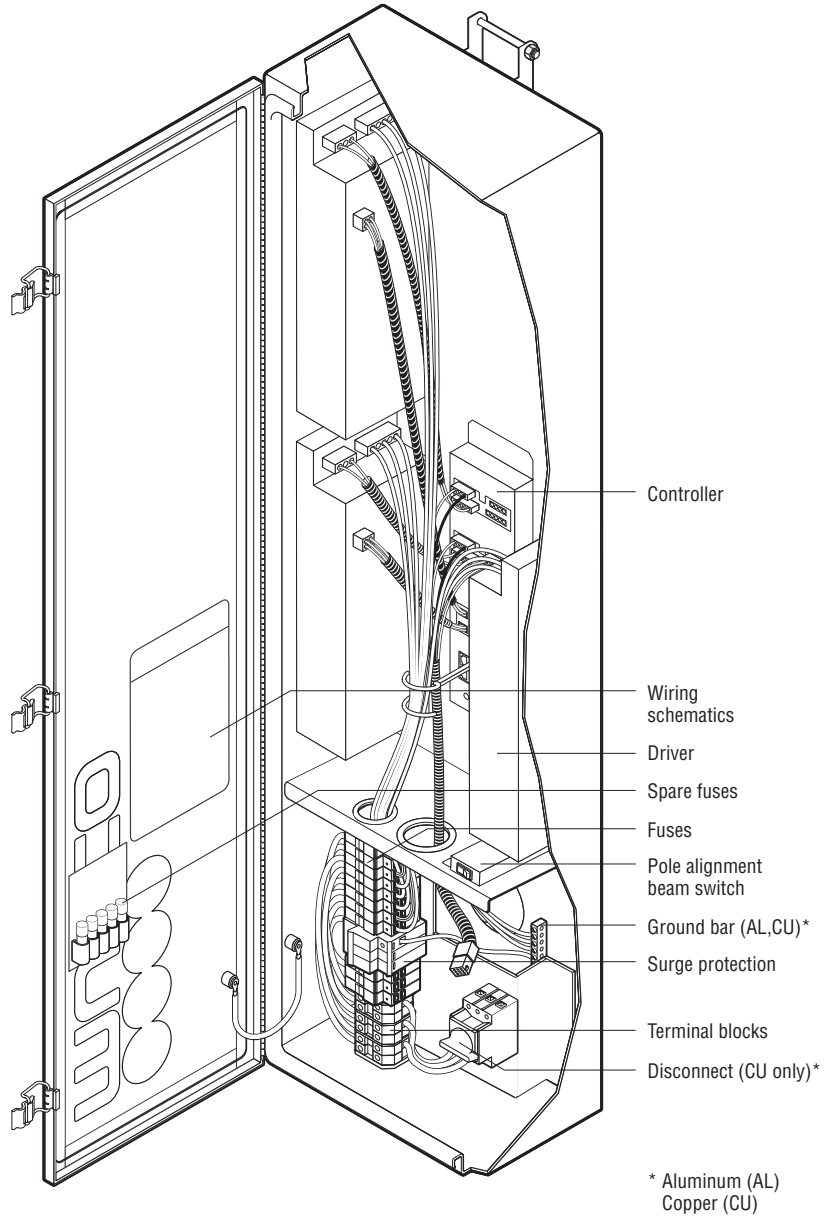
Construction

- 0.08 inch (2 mm) thick, powder-coated aluminum
- Enclosure ratings: NEMA 3R, IP54
- Designed to operate in up to 50° C (122° F) ambient temperature
- Full length stainless steel hinge
- All stainless steel fasteners passivated and coated
- Meets touchsafe standards
- Up to four drivers per enclosure
- Approximate weight 65 lb (29 kg)
- Lower enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 52.5 in (1334 mm) high
- Upper enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 40.5 in (1029 mm) high

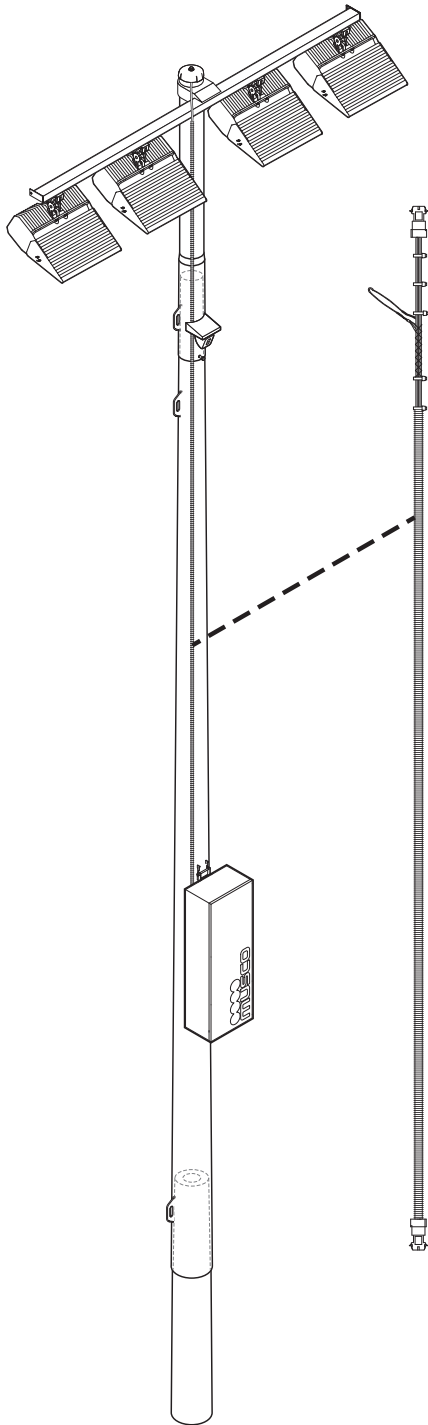
Quality Assurance Tests

- Grounding continuity
- High potential dielectric withstand
- Full functionality test

TLC for LED™ – Electrical Components Enclosure



TLC for LED™ – Wire Harness



Overview

The factory-built wire harness connects the electrical components enclosure to the poletop luminaire assembly.

Features

- Quick connect plugs for easy field wiring
- Factory-assembled support grip alleviates strain on connections
- Spiral wound cable eliminates slippage
- Protective sleeve prevents wire damage
- All internal wiring, no exposed wires
- Labels identify pole and luminaires

Technical Specifications

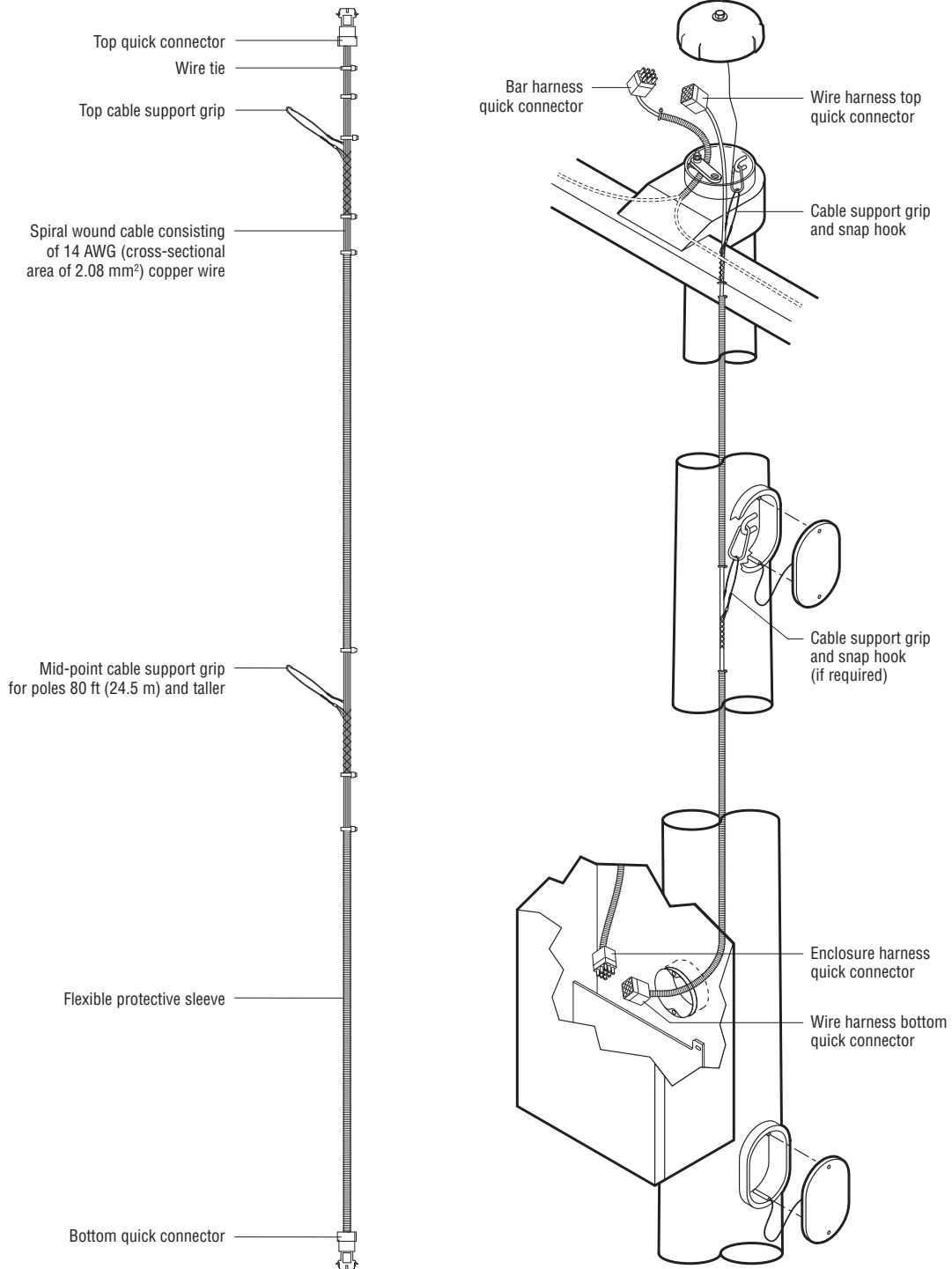
Construction

- Spiral wound, wrapped cable, 14 AWG (cross-sectional area of 2.08 mm²) copper wire
- Integral cable support grip
- Two wires per driver
- Each harness supports up to four drivers
- Multiple top connectors may be present if required for number of luminaires

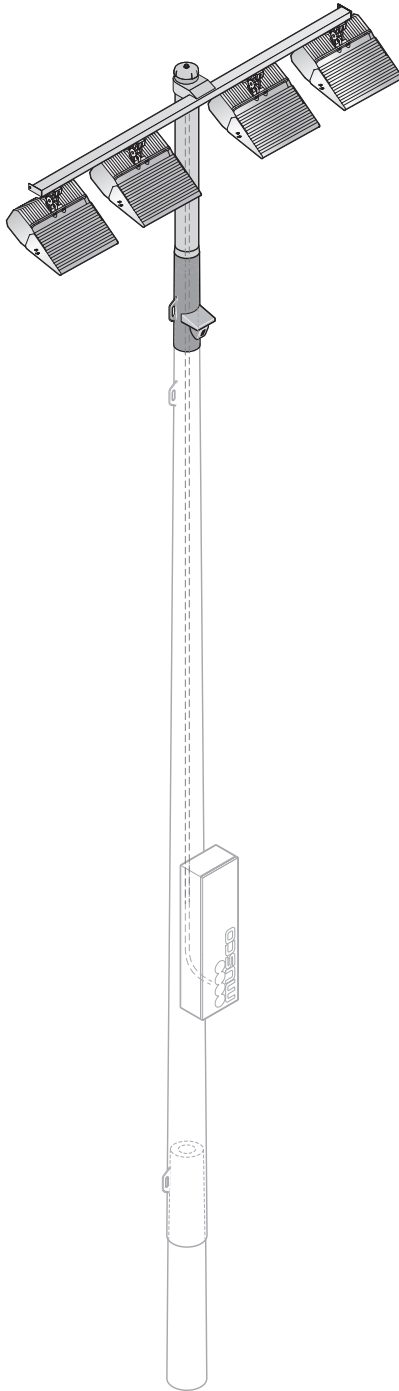
Quality Assurance Tests

- Connector/load resistance
- High potential dielectric withstand
- Grounding continuity
- Termination crimp

TLC for LED™ – Wire Harness



TLC for LED™ – Poletop Luminaire Assembly, Weld On



Overview

The factory-aimed poletop luminaire assembly is the upper section of the pole and slip-fits together with the galvanized steel pole.

Features

- Each luminaire is factory-built, tested, and ships as a unit
- Luminaires are factory-aimed to two-tenths degree of accuracy
- Luminaire mounts and connects in a single step
- Slip-fit connection allows assembly with come-alongs
- All luminaires are factory-wired to a quick connect harness for easy installation
- Labels identify pole and luminaire location
- No exposed wiring or conduit
- Factory-set pole alignment beam allows easy field alignment

Technical Specifications

Construction

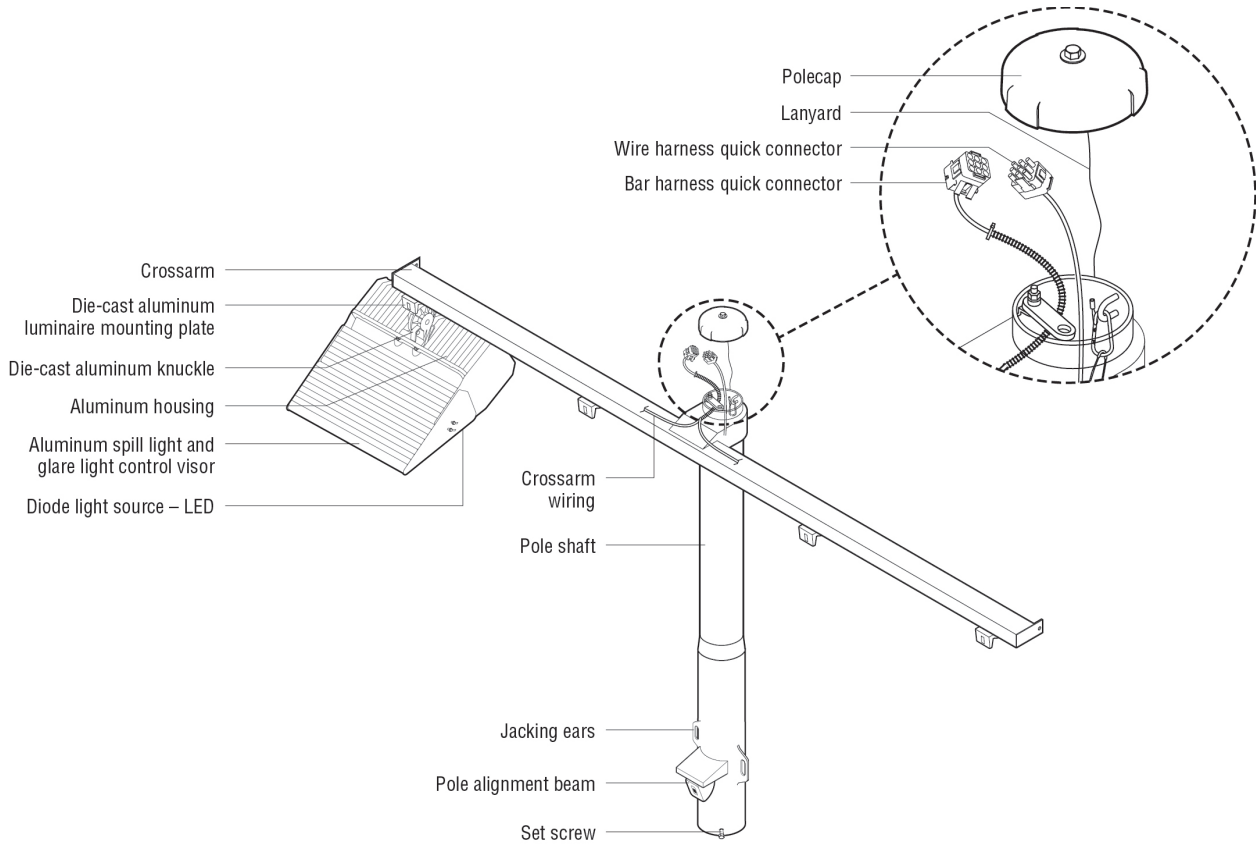
- Crossarms and pole shaft hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- All aluminum components are powder-coated or anodized to mil-A-8625F and BS 5599
- Luminaire and knuckle are powder-coated die-cast aluminum
- All stainless steel fasteners are passivated and coated
- Crossarms are constructed of rectangular steel tubing
- Polecap is attached with stainless steel lanyard and securing bolt

Quality Assurance Tests

- Galvanizing thickness
- High potential dielectric withstand
- Electrical continuity



TLC for LED™ – Poletop Luminaire Assembly, Weld On



TWR Lighting, Inc. MARK

Enlightened Technology®

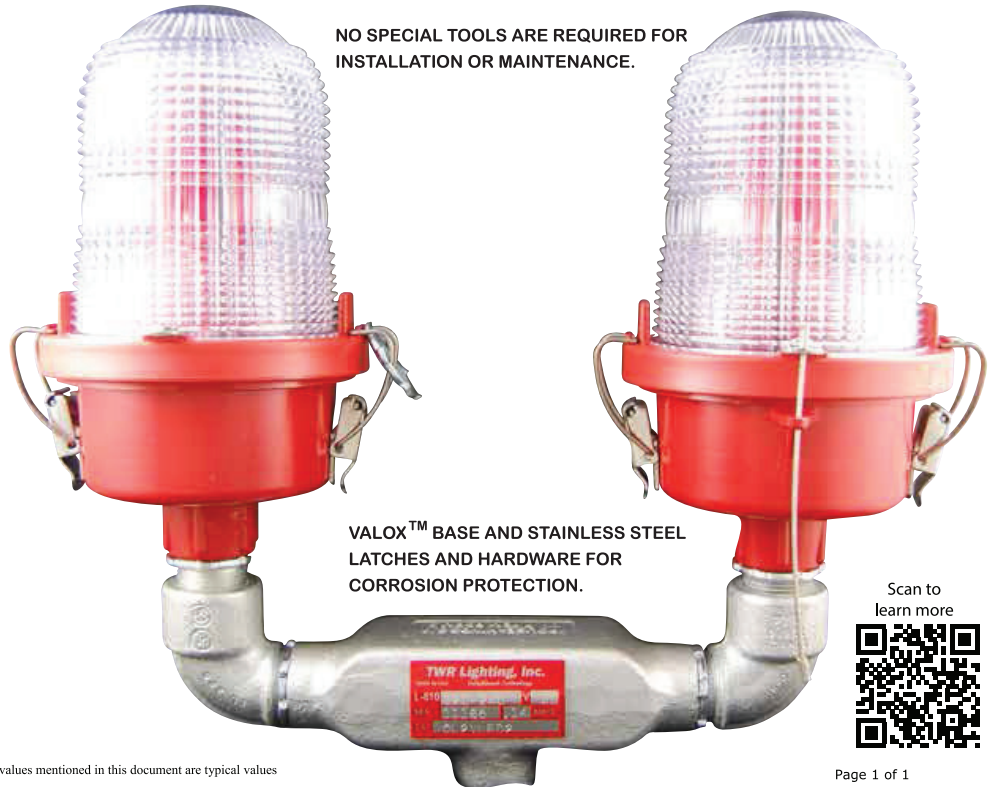
Double Obstruction LED FAA Type L-810 (OL2VLED) LED Lighting Systems

Specifications

Intensity	Low
Horizontal Coverage	360°
Lamp Description	LED
Effective Candelas	32.5 Minimum ±20%
Flashhead Height	12" (30.88 cm)
Flashhead Length	13.5"(34.29 cm)
Flashhead Width	4.875"(12.38 cm)
Flashhead Lens Material	Fresnel Acrylic
Flashhead Base Material	Valox™(RED)
Power Requirements	100 to 240V AC 50/60Hz - Also in 12,24 and 48VDC
Lamp Current	0.12 Amps
Weight	5.52 lbs. (2.503 kg)
Operating Temperature	-55°C to +55°C
Wind Load	CAAA 0.5 ft²
Hub Sizes	.0.75", (1" Or 1.25" NPT with enlarger)

* 96% REDUCED ENERGY CONSUMPTION VERSES
INCANDESCENT.

NO SPECIAL TOOLS ARE REQUIRED FOR
INSTALLATION OR MAINTENANCE.



VALOX™ BASE AND STAINLESS STEEL
LATCHES AND HARDWARE FOR
CORROSION PROTECTION.

Scan to
learn more



TWR Lighting
4300 Windfern Rd.
Suite #100
Houston, Tx. 77041

P: 713-973-6905
F: 713-973-9352
www.twrlighting.com

All values mentioned in this document are typical values
Document can be subject to modifications, without prior notice.

Page 1 of 1

TWR Lighting, Inc. **MARK**

Enlightened Technology®

OL2 LED FAA Type L-810 (OL2VLED) LED Lighting Systems

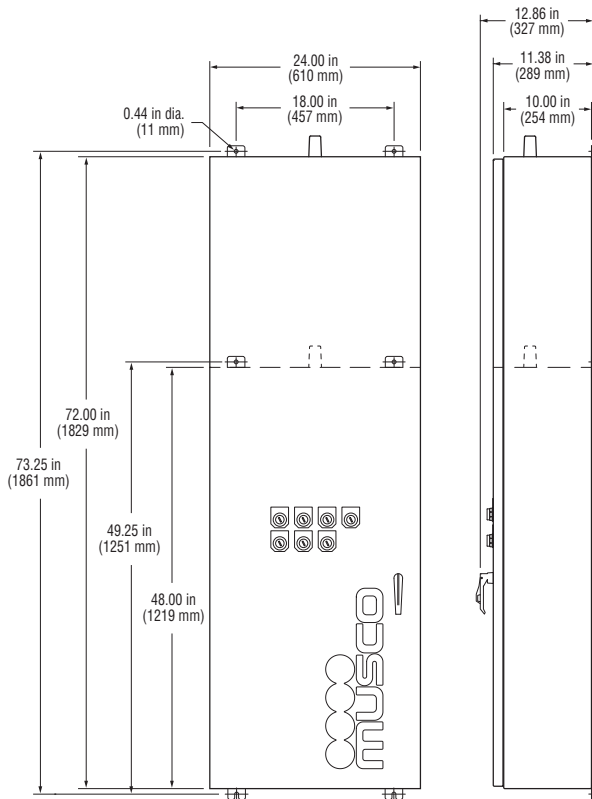
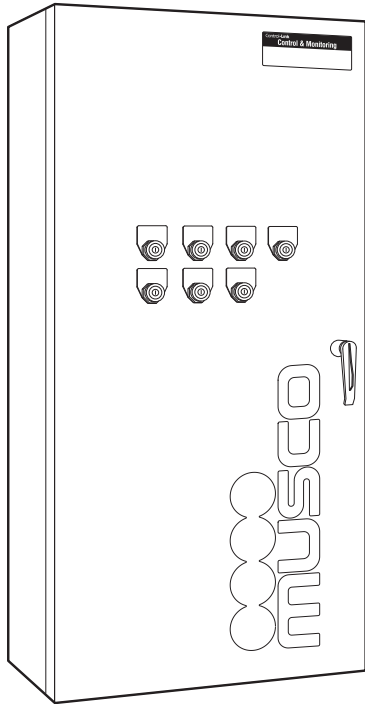
Product Type	Additional information	
	power consumption	
	AC/DC	Watts
OL2VLED2	120-240 VAC	16.2
OL2VLED3	12-24 VDC	15.8
OL2VLED4	48 VDC	16.4

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Page 2 of 2



Overview

Control-Link® control and monitoring system provides flexible remote on/off control, monitoring, and management of your lighting system.

Features

Control

- Lighting system and auxiliary equipment
- Customized on/off control via phone, website, smartphone application, email, or fax up to 10 years in advance
- Multi-level user security settings
- Key-activated on/off/auto switches allow manual or automated control
- Seven controllable lighting zones

Monitoring

- Detects lamp outages and other issues that affect light quality

Management and Support

- Control-Link Central™ service center provides support 24 hours a day, 7 days a week for scheduling, monitoring, and reporting
- Luminaire outage notification within the next business day
- Customized usage reports through website

Technical Specifications

Ratings

UL 508A Listed E204954
 FCC Part 15 Class A compliant
 Operating temperature -4 °F to 140 °F
 (-20 °C to 60 °C)

Weight for 72 inch (1829 mm) cabinet 180 lb (82 kg)

Weight for 48 inch (1219 mm) cabinet 140 lb (64 kg)

Short Circuit Current Rating (SCCR)

with 30 A contactors* 18 kA

with 60 or 100 A contactors* 25 kA

*Minimum circuit breaker interrupt rating must be greater than or equal to SCCR rating listed above.



Technical Specifications

Construction

- NEMA type 4 cabinet
- Powder-coated aluminum 5052 H32 cabinet and panel
- Lockable, 3-point latch
- Supports lighting system voltage up to 480 V
- Requires 120 V phase-to-neutral control voltage
- Protective cover isolates high voltage

Internal Details

- Factory wired, programmed, and tested
- Internally fused
- Control power terminal blocks provided
- One control circuit operates entire cabinet
- Plug-in wire harnesses provided to connect multiple cabinets

Control Module

Receives and stores schedules from Control-Link Central™ service center, operates your equipment, and verifies schedules were carried out.

- Stores and executes schedules for up to 7 days
- Reboots automatically and executes current schedule when power is restored, in case of power interruption

Monitoring Modules

Monitors Musco lighting system and reports issues to keep facilities operating and to help plan routine maintenance. Alerts Control-Link Central service center to schedule appropriate action or maintenance.

Communication Module

Integrated communication system providing two-way reliable, high speed communication to Control-Link Central service center with no additional monthly charges during warranty period.

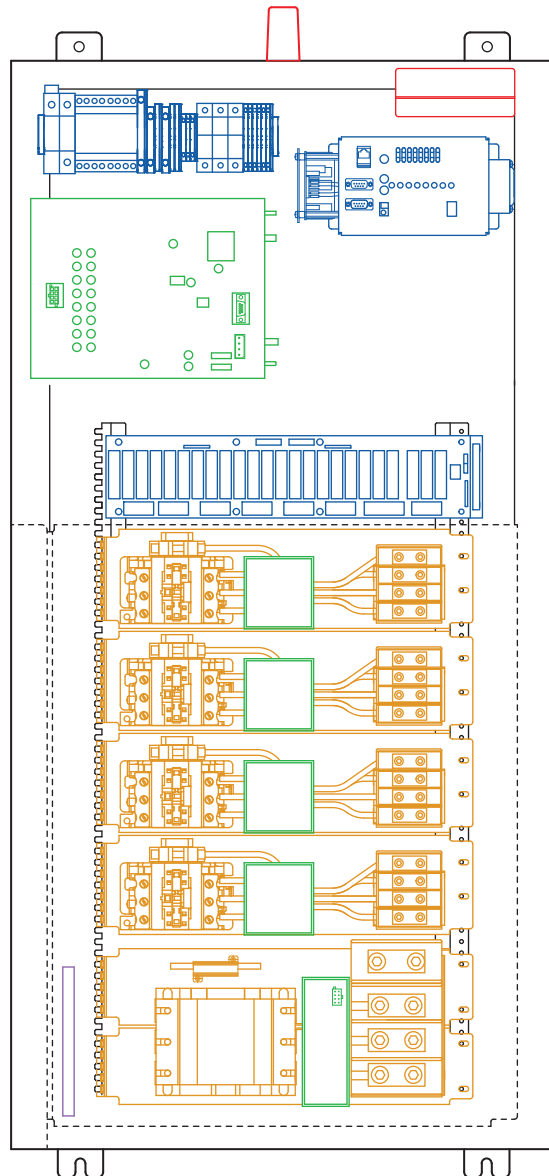
Contactor Modules

Switches equipment based on control module schedules.

- Tested and UL-listed for continuous operation at 100% of rated current
- Contactors rated for 30, 60, or 100 A

Ground Bar

Provides integral ground bar for lighting equipment grounding.



Safety: UL Product Certification

UL Product Certification for:

Musco Sports Lighting, LLC
 100 1st Ave W
 PO Box 808
 Oskaloosa, IA 52577
 USA



UL Category	Covers	UL Number
High-Intensity Discharge Surface-Mounted Luminaires	<ul style="list-style-type: none"> Green Generation™ luminaires and remote ballast assemblies SportsCluster® and SportsCluster-2® luminaires and remote ballast assemblies Light-Structure 2™ and Light-Structure System™ luminaires and remote ballast assemblies 1000 W Light-Pak™ and Light-Pak indoor luminaires with Multi-Watt™ control system 1000 W Show-Light™ and Show-Light Green™ luminaires with hooded light actuator system and remote ballast assemblies 2000 W Mirtran™ luminaire Stadium 2K Fixture™ 2000 W luminaire and Hot Restrike Green™ 2000 W hot restrike luminaire 	E33316
Management Equipment, Energy	Lighting control systems for: <ul style="list-style-type: none"> Control-Link® control and monitoring system Control-Link retrofit control system 	E139944
Industrial Control Panels	Control panels and enclosures for: <ul style="list-style-type: none"> Control-Link® control and monitoring system Control-Link retrofit control system Lighting contactor cabinets Multi-Watt™ control systems 	E204954
Emergency Lighting and Power Equipment	<ul style="list-style-type: none"> Auxiliary Lighting Interface Cabinet (ALIC) 	E311491
Luminaire Fittings	Galvanized steel poles 12 ft (3.7 m) or less for: <ul style="list-style-type: none"> Poles for Mirtran™ luminaire mounting Rooftop poles Special applications 	E132445
Luminaire Pole in Excess of 12 ft (3.7 m)	Galvanized steel poles greater than 12 ft (3.7 m) for: <ul style="list-style-type: none"> Light-Structure System™ luminaire mounting Sportspole™ structure or mounting system and special applications 	E325078



www.musco.com · lighting@musco.com

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Safety: UL Product Certification

UL Category	Covers	UL Number
Devices, Scaffolding	Service platforms for: <ul style="list-style-type: none">• Light-Structure System™ luminaires and remote ballast assemblies• SportsCluster® System luminaires and remote ballast assemblies	SA7004
Lightning Conductors, Air Terminals, and Fittings	<ul style="list-style-type: none">• Light-Structure System™ pole structure concrete base	E337467
Light-Emitting-Diode Surface-Mounted Luminaires	<ul style="list-style-type: none">• LED luminaires and driver assemblies• LED auxiliary luminaires	E338094

A copy of the UL Certificate of Compliance is available upon your request.



Manufacturer's Certification of Enhanced Corrosion Protection for Light-Structure System™ and SportsCluster® Lighting Systems

Environmental conditions in corrosive environments such as coastal regions may accelerate the corrosion rate of equipment. Careful selection of materials and coatings can provide protection in these corrosive environments.

Musco conducted over 150,000 hours of testing to study the effects of highly corrosive environments. Salt spray testing of aluminium components was conducted per ASTM B117 at an independent laboratory and Musco's in-house test chamber to evaluate various selections of alloys and coatings. All salt spray testing was conducted to minimum 3000 hours duration. Evaluation of various installation sites was also conducted to study actual field conditions.

The results of Musco's research and development allowed selection of materials and coatings that significantly outperform the control sample, representing typical materials in the lighting industry.

The following standard corrosion protection is provided on your equipment:

All exposed components are constructed of corrosion-resistant material and/or coated to protect against corrosion. All exposed carbon steel is hot-dip galvanised, meeting ASTM A123 and ISO/EN 1461. All exposed aluminium is powder coated with high-performance polyester or anodised. All exterior reflective inserts are anodised, coated with a clear, high-gloss, durable fluorocarbon, and protected from direct environmental exposure to prevent reflective degradation or corrosion. All exposed hardware and fasteners are stainless steel of 18-8 grade or better, passivated, and coated with an aluminium based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking. Alternately, for hardware in non-stressed applications, an electroless nickel coating meeting ASTM B733 may be used. Pole strapping used to mount certain equipment to light poles is annealed stainless steel (grade 304) and passivated. Certain structural fasteners are carbon steel, galvanised meeting ASTM A153 and ISO/EN 1461 (for hot-dip galvanising), or ASTM B695 (for mechanical galvanising). This corrosion protection package only applies to equipment manufactured by Musco.

In addition, these enhanced corrosion protection features are provided to address the specific challenges of your corrosive environment:

Poletop Luminaire Crossarm Assembly is constructed of carbon steel and hot dip galvanised per ASTM A123. A proprietary galvanisation process ensures minimum 5 mil (125 µm) average thickness.

Exposed Die Cast Aluminium components are constructed of low copper aluminium alloy, type II anodised per MIL-STD-8625, and sealed with proprietary coating before application of high performance polyester powder coating.

Exposed Extruded Aluminium components are constructed of low copper aluminium alloy, type II anodised per MIL-STD-8625, and coated with high performance polyester powder coating.

Musco Sports Lighting, LLC



Tim Boyle
Research and Development Manager



TB/bd 8 June, 2011

www.musco.com · lighting@musco.com

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Attachment 2: City Commission Resolution

RESOLUTION NO. 2017-212

A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE COUNTY OF VOLUSIA UNDER THE ECHO GRANTS-IN-AID PROGRAM FOR FUNDING ASSISTANCE REGARDING THE INSTALLATION OF LED LIGHTING AT THE ORMOND BEACH SPORTS COMPLEX FOR SOCCER FIELDS 1, 2, AND 3 AND BASEBALL FIELD #3; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

WHEREAS, the County of Volusia has a current grant cycle open under the ECHO Grants-In-Aid Program in which the City can request maximum funding assistance in the amount of \$400,000.00 with City matching funds on a dollar-for-dollar basis, or 50:50 match, and

WHEREAS, the City Commission desires to submit a grant application to the County of Volusia under the ECHO Grants-In-Aid Program a draft copy of which is attached hereto as Exhibit "A" and incorporated herein by reference for the purpose of obtaining funding assistance in the amount of \$400,000.00 regarding the installation of LED lighting for soccer fields 1, 2, and 3, and baseball field #3 at the Ormond Beach Sports Complex ("the Project"), and

WHEREAS, the total Project cost is estimated to be \$950,000.00, and

WHEREAS, the City is required to make a matching contribution of at least \$550,000.00, now therefore

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, VOLUSIA COUNTY, FLORIDA, THAT:

SECTION ONE. The City Manager or her designee is hereby authorized and directed to submit a grant application, including any and all documents that are necessary and incidental thereto, to the County of Volusia under the ECHO Grants-In-Aid Program in the amount of \$400,000.00 regarding the installation of LED lighting for soccer fields 1, 2, and 3, and baseball field #3 at the Ormond Beach Sports Complex.

SECTION TWO. The Mayor and City Manager are hereby further authorized and directed to execute any contract, including any and all documents that are necessary and incidental thereto, for the City to accept the grant award.

SECTION THREE. The City Manager hereby certifies that the City's matching funds in the amount of \$550,000.00 will be derived from the General Capital Improvements Fund.

SECTION FOUR. This Resolution shall take effect immediately upon its adoption.

APPROVED AND AUTHENTICATED this 7th day of November, 2017.



BILL PARTINGTON
Mayor

ATTEST:



J. SCOTT McKEE
City Clerk

Attachment 3:
Baseball Fields and Soccer
Fields Fee Schedule

ORMOND BEACH SPORTS COMPLEX - BASEBALL FIELDS & SOCCER FIELDS	(REFUNDABLE) DEPOSIT	
Non-refundable Deposit required on all field rentals	\$250	
A multi-day discount for field rental rates (excluding lights, extra marking, overtime, restroom cleaning, extra services) for consecutive day rentals will be applied as follows: 2 nd day 20%; 3 rd day 25%; 4 th day and after 30% discount.		
<i>Nonresident Teams and Colleges:</i>		
Practice - per 3 hours		\$143
Practice - additional hours over 3 hrs - Add per hour		\$52
Games - single each		\$189
Games - doubleheader (2 games)		\$294
Extra marking - Billed per man hour		\$39
Lights - Add per each game/practice		\$79
<i>High Schools: (Rates may not apply to school(s) with lease agreements)</i>		
Practice - per 3 hours		\$98
Practice - additional hours over 3 hrs - Add per hour		\$34
Games - single each including pre-game marking		\$137
Games - doubleheader (2 games)		\$235
Doubleheader marking: Billed per man hour		\$39
Lights - Add per each game/practice		\$79
<i>City Co-Sponsored Youth Teams from Ormond Beach (OBYBSA, etc.):</i>		
Practices		No Charge
Games each		No Charge
Association Sponsored Clinics - No more than one clinic per season		No Charge
Other Governmental Agency Groups: same as High Schools above		
Ormond Beach Business/Residents/Not for Profit Organizations		
Games/Practices	Per Hour	\$34
Lights - Add per each game/practice		\$79
Add marking per hour		\$46
Extra marking - Billed per man hour		\$39
<i>Locker Room Use (OB Sports Complex at Wendelstedt Fields) Add per day</i>		\$59
Rental of Fields for Camps, Clinics: All administration/registration for these camps will be handled by the renting party.		
1 Day - Rental Charge (up to 4 hours per day) - per day per field		\$143
1 Day - Rental Charge (Minimum 4 hours per day)- per day per field		\$196
Lights - Add per session per field		\$79
Extra marking - Billed per man hour		\$39
Tournament Play		
Tournament - Per Field Per Day up to 8 hours per day		\$232
Tournament - Additional hours over 8 hours - Add per hour		\$33
Field Maintenance Overtime - Billed per man hour		\$39
Restroom Cleaning - Per service, plus supplies		\$40
Add for Lights - Per game/practice		\$79

Attachment 4: Financial Audit

CITY OF ORMOND BEACH, FLORIDA
STATEMENT OF NET POSITION
SEPTEMBER 30, 2016

	<u>Governmental Activities</u>	<u>Business-type Activities</u>	<u>Total</u>
ASSETS			
Equity in pooled cash	\$ 20,840,745	\$ 12,446,181	\$ 33,286,926
Receivables, net	2,222,661	2,429,588	4,652,249
Due from fiduciary funds	26,101	-	26,101
Due from other governments	3,380,966	-	3,380,966
Inventories	159,602	17,000	176,602
Prepays	26,112	14,680	40,792
Restricted assets:			
Equity in pooled cash	-	12,531,537	12,531,537
Capital assets:			
Capital assets, not being depreciated	49,106,917	5,425,471	54,532,388
Other capital assets, net of depreciation	76,056,034	98,320,797	174,376,831
Total assets	<u>\$ 151,819,138</u>	<u>\$ 131,185,254</u>	<u>\$ 283,004,392</u>
DEFERRED OUTFLOWS OF RESOURCES			
Deferred outflows related to pensions	<u>\$ 6,827,799</u>	<u>\$ 1,087,583</u>	<u>\$ 7,915,382</u>
LIABILITIES			
Accounts payable and accrued liabilities	\$ 2,974,012	\$ 1,502,740	\$ 4,476,752
Customer deposits	21,400	876,881	898,281
Unearned revenue	223,446	-	223,446
Accrued interest payable	66,021	133,095	199,116
Noncurrent liabilities:			
Due within one year	3,071,101	4,166,558	7,237,659
Due in more than one year	10,113,865	37,920,295	48,034,160
Net OPEB obligation	2,093,727	458,907	2,552,634
Net pension liability	32,612,204	3,822,901	36,435,105
Total liabilities	<u>\$ 51,175,776</u>	<u>\$ 48,881,377</u>	<u>\$ 100,057,153</u>
DEFERRED INFLOWS OF RESOURCES			
Deferred inflows related to pensions	<u>\$ 787,262</u>	<u>\$ 265,696</u>	<u>\$ 1,052,958</u>
NET POSITION			
Net investment in capital assets	\$ 115,827,595	\$ 63,102,124	\$ 178,929,719
Restricted for:			
Debt service	190,192	1,734,419	1,924,611
Construction	1,442,763	9,527,979	10,970,742
Renewal and replacement	-	400,000	400,000
Transportation	1,877,437	-	1,877,437
Redevelopment trust	709,568	-	709,568
Stormwater drainage	4,994,394	-	4,994,394
Other purposes	258,219	-	258,219
Unrestricted	(18,616,269)	8,361,242	(10,255,027)
Total net position	<u>\$ 106,683,899</u>	<u>\$ 83,125,764</u>	<u>\$ 189,809,663</u>

The accompanying notes to financial statements are an integral part of this statement.

**CITY OF ORMOND BEACH, FLORIDA
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED SEPTEMBER 30, 2016**

Functions/Programs	Expenses	Program Revenues			Net (Expense) Revenue and Changes in Net Position		
		Charges for Services	Operating Grants and Contributions	Capital Grants and Contributions	Governmental Activities	Business-type Activities	Total
Governmental activities:							
General government	\$ 5,971,373	\$ 134,000	\$ -	\$ 7,545	\$ (5,829,828)	\$ -	\$ (5,829,828)
Public safety	15,412,218	172,220	53,021	30,111	(15,156,866)	-	(15,156,866)
Public works	7,666,233	4,610,422	1,585,944	4,552,436	3,082,569	-	3,082,569
Human services	90,247	-	-	-	(90,247)	-	(90,247)
Culture and recreation	7,820,338	667,631	-	564,903	(6,587,804)	-	(6,587,804)
Economic development	344,571	-	-	-	(344,571)	-	(344,571)
Interest on long-term debt	255,535	-	-	-	(255,535)	-	(255,535)
Total governmental activities	<u>37,560,515</u>	<u>5,584,273</u>	<u>1,638,965</u>	<u>5,154,995</u>	<u>(25,182,282)</u>	<u>-</u>	<u>(25,182,282)</u>
Business-type activities:							
Water and sewer	17,813,586	18,130,228	-	1,287,351	-	1,603,993	1,603,993
Solid waste	6,880,129	6,287,587	1,457,247	-	-	864,705	864,705
Total business-type activities	<u>24,693,715</u>	<u>24,417,815</u>	<u>1,457,247</u>	<u>1,287,351</u>	<u>-</u>	<u>2,468,698</u>	<u>2,468,698</u>
Total primary government	<u>\$ 62,254,230</u>	<u>\$ 30,002,088</u>	<u>\$ 3,096,212</u>	<u>\$ 6,442,346</u>	<u>(25,182,282)</u>	<u>2,468,698</u>	<u>(22,713,584)</u>
General revenues:							
Property taxes					12,574,507	-	12,574,507
Sales taxes					2,138,155	-	2,138,155
Insurance premium taxes					672,165	-	672,165
Franchise and utility taxes					8,473,702	-	8,473,702
Unrestricted intergovernmental revenue					1,388,088	-	1,388,088
Tax increment financing revenues					685,875	-	685,875
Interest revenue					46,387	100,178	146,565
Miscellaneous revenues					335,782	21,143	356,925
Transfers					2,846,331	(2,846,331)	-
Total general revenues and transfers					<u>29,160,992</u>	<u>(2,725,010)</u>	<u>26,435,982</u>
Change in net position					3,978,710	(256,312)	3,722,398
Net position - beginning					102,705,189	83,382,076	186,087,265
Net position - ending					<u>\$ 106,683,899</u>	<u>\$ 83,125,764</u>	<u>\$ 189,809,663</u>

The accompanying notes to financial statements are an integral part of this statement.

CITY OF ORMOND BEACH, FLORIDA
 COMBINING BALANCE SHEET
 NONMAJOR GOVERNMENTAL FUNDS
 SEPTEMBER 30, 2016

	Special Revenue Funds						Debt Service Funds			
	Stormwater Drainage Utility	Local Law Enforcement Trust	Federal Law Enforcement Trust	Pension Contribution Pass Thru Fund	Public Recreational Facility Use Fee	Grants	Total	Financing	2002 General Obligation	2003 General Obligation
ASSETS										
Equity in pooled cash	\$ 4,707,970	\$ 185,023	\$ 5,816	\$ -	\$ 295,676	\$ 241,904	\$ 5,436,389	\$ 671,621	\$ 112,237	\$ 56,385
Receivables, net	311,493	162	7	-	262	228	312,152	-	690	290
Due from other governments	-	-	-	32,335	-	1,661	33,996	-	-	-
Total assets	\$ 5,019,463	\$ 185,185	\$ 5,823	\$ 32,335	\$ 295,938	\$ 243,793	\$ 5,782,537	\$ 671,621	\$ 112,927	\$ 56,675
LIABILITIES										
Accounts payable and accrued liabilities	\$ 25,069	\$ -	\$ -	\$ -	\$ 442	\$ -	\$ 25,511	\$ -	\$ -	\$ -
Due to other funds	-	-	-	32,335	-	-	32,335	-	-	-
Total liabilities	\$ 25,069	\$ -	\$ -	\$ 32,335	\$ 442	\$ -	\$ 57,846	\$ -	\$ -	\$ -
DEFERRED INFLOWS OF RESOURCES										
Unavailable revenue - property taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 598	\$ 251
FUND BALANCES										
Restricted for:										
Stormwater drainage	\$ 4,994,394	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,994,394	\$ -	\$ -	\$ -
Law enforcement	-	185,185	5,823	-	-	-	191,008	-	-	-
Debt service	-	-	-	-	-	-	-	-	112,329	56,424
Transportation	-	-	-	-	-	-	-	-	-	-
Impact fees	-	-	-	-	-	-	-	-	-	-
Committed to:										
Recreational facilities	-	-	-	-	295,496	-	295,496	-	-	-
Assigned to:										
Recreational facilities	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	243,793	243,793	-	-	-
Debt service	-	-	-	-	-	-	-	671,621	-	-
Capital projects	-	-	-	-	-	-	-	-	-	-
Unassigned	-	-	-	-	-	-	-	-	-	-
Total fund balances	\$ 4,994,394	\$ 185,185	\$ 5,823	\$ -	\$ 295,496	\$ 243,793	\$ 5,724,691	\$ 671,621	\$ 112,329	\$ 56,424

CITY OF ORMOND BEACH, FLORIDA
 COMBINING BALANCE SHEET
 NONMAJOR GOVERNMENTAL FUNDS
 SEPTEMBER 30, 2016

Debt Service Funds			Capital Projects Funds							Total	
2005 Capital Improvement Note	2010 General Obligation	Total	General Improvements	Equipment Renewal and Replacement	Transportation Improvements	Recreational Facility Impact Fee	Local Roads Impact Fee	Stormwater Drainage Impact Fee	Facilities Renewal and Replacement	Total	Total Nonmajor Governmental Funds
\$ 6,179	\$ 21,323	\$ 867,745	\$ 894	\$ 347,138	\$ 1,874,825	\$ 353,820	\$ 734,618	\$ 353,496	\$ 439,659	\$ 4,104,450	\$ 10,408,584
-	890	1,870	1,136	336	3,065	291	690	298	1,540	7,356	321,378
-	-	-	731,950	-	190,991	-	-	-	-	922,941	956,937
<u>\$ 6,179</u>	<u>\$ 22,213</u>	<u>\$ 869,615</u>	<u>\$ 733,980</u>	<u>\$ 347,474</u>	<u>\$ 2,068,881</u>	<u>\$ 354,111</u>	<u>\$ 735,308</u>	<u>\$ 353,794</u>	<u>\$ 441,199</u>	<u>\$ 5,034,747</u>	<u>\$ 11,686,899</u>
\$ -	\$ -	\$ -	\$ 90,372	\$ 7,819	\$ 190,289	\$ 450	\$ -	\$ -	\$ 20,929	\$ 309,859	\$ 335,370
-	-	-	273,673	-	-	-	-	-	-	273,673	306,008
<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 364,045</u>	<u>\$ 7,819</u>	<u>\$ 190,289</u>	<u>\$ 450</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 20,929</u>	<u>\$ 583,532</u>	<u>\$ 641,378</u>
\$ -	\$ 774	\$ 1,623	\$ 718	\$ -	\$ 1,155	\$ -	\$ -	\$ -	\$ 782	\$ 2,655	\$ 4,278
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,994,394
-	21,439	190,192	-	-	-	-	-	-	-	-	191,008
-	-	-	-	-	1,877,437	-	-	-	-	1,877,437	1,877,437
-	-	-	-	-	-	353,661	735,308	353,794	-	1,442,763	1,442,763
-	-	-	-	-	-	-	-	-	-	-	295,496
-	-	-	-	-	-	-	-	-	419,488	419,488	419,488
6,179	-	677,800	-	-	-	-	-	-	-	-	243,793
-	-	-	369,217	339,655	-	-	-	-	-	-	677,800
-	-	-	-	-	-	-	-	-	-	708,872	708,872
<u>\$ 6,179</u>	<u>\$ 21,439</u>	<u>\$ 867,992</u>	<u>\$ 369,217</u>	<u>\$ 339,655</u>	<u>\$ 1,877,437</u>	<u>\$ 353,661</u>	<u>\$ 735,308</u>	<u>\$ 353,794</u>	<u>\$ 419,488</u>	<u>\$ 4,448,560</u>	<u>\$ 11,041,243</u>

22,899

CITY OF ORMOND BEACH, FLORIDA
COMBINING STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
NONMAJOR GOVERNMENTAL FUNDS
FOR THE YEAR ENDED SEPTEMBER 30, 2016

	Special Revenue Funds						Debt Service Funds			
	Stormwater Drainage Utility	Local Law Enforcement Trust	Federal Law Enforcement Trust	Pension Contribution PassThru Fund	Public Recreational Facility Use Fee	Grants	Total	Financing	2002 General Obligation	2003 General Obligation
REVENUES										
Taxes	\$ -	\$ -	\$ -	\$ 672,165	\$ -	\$ -	\$ 672,165	\$ -	\$ 279,685	\$ 120,101
Permits and fees	-	-	-	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	48,258	48,258	-	-	-
Charges for services	2,806,865	-	-	-	-	-	2,806,865	-	-	-
Fines and forfeitures	-	22,989	-	-	-	-	22,989	-	-	-
Miscellaneous	10,645	523	21	-	48,300	714	60,203	-	-	-
Total revenues	<u>2,817,510</u>	<u>23,512</u>	<u>21</u>	<u>672,165</u>	<u>48,300</u>	<u>48,972</u>	<u>3,610,480</u>	<u>-</u>	<u>279,685</u>	<u>120,101</u>
EXPENDITURES										
Current:										
General government	-	-	-	-	-	-	-	-	-	-
Public safety	-	-	-	672,165	-	21,224	693,389	-	-	-
Public works	836,835	-	-	-	-	-	836,835	-	-	-
Culture and recreation	-	-	-	-	24,865	-	24,865	-	-	-
Human services	-	-	-	-	-	7,545	7,545	-	-	-
Capital improvements	747,893	-	-	-	-	22,801	770,694	-	-	-
Debt service:										
Principal	-	-	-	-	-	-	-	335,111	228,000	90,000
Interest	-	-	-	-	-	-	-	39,742	43,349	19,902
Total expenditures	<u>1,584,728</u>	<u>-</u>	<u>-</u>	<u>672,165</u>	<u>24,865</u>	<u>51,570</u>	<u>2,333,328</u>	<u>374,853</u>	<u>271,349</u>	<u>109,902</u>
Excess (deficiency) of revenues over expenditures	<u>1,232,782</u>	<u>23,512</u>	<u>21</u>	<u>-</u>	<u>23,435</u>	<u>(2,598)</u>	<u>1,277,152</u>	<u>(374,853)</u>	<u>8,336</u>	<u>10,199</u>
Other financing sources (uses)										
Transfers in	-	-	-	-	-	-	-	764,500	-	-
Transfers out	(359,320)	-	-	-	-	-	(359,320)	-	-	-
Total other financing sources (uses)	<u>(359,320)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>(359,320)</u>	<u>764,500</u>	<u>-</u>	<u>-</u>
Net change in fund balances	<u>873,462</u>	<u>23,512</u>	<u>21</u>	<u>-</u>	<u>23,435</u>	<u>(2,598)</u>	<u>917,832</u>	<u>389,647</u>	<u>8,336</u>	<u>10,199</u>
Fund balances, beginning of year	4,120,932	161,673	5,802	-	272,061	246,391	4,806,859	281,974	103,993	46,225
Fund balances, end of year	<u>\$ 4,994,394</u>	<u>\$ 185,185</u>	<u>\$ 5,823</u>	<u>\$ -</u>	<u>\$ 295,496</u>	<u>\$ 243,793</u>	<u>\$ 5,724,691</u>	<u>\$ 671,621</u>	<u>\$ 112,329</u>	<u>\$ 56,424</u>

CITY OF ORMOND BEACH, FLORIDA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES,
 AND CHANGES IN FUND BALANCE
 NONMAJOR GOVERNMENTAL FUNDS
 FOR THE YEAR ENDED SEPTEMBER 30, 2016

Debt Service Funds			Capital Project Funds								Total Nonmajor Governmental Funds
2005 Capital Improvement Note	2010 General Obligation	Total	General Improvements	Equipment Renewal and Replacement	Transportation Improvement	Recreational Facility Impact Fee	Local Roads Impact Fee	Stormwater Drainage Impact Fee	Facilities Renewal and Replacement	Total	
\$ -	\$ 353,580	\$ 753,366	\$ 396,393	\$ 100,561	\$ 1,876,709	\$ -	\$ -	\$ -	\$ 510,572	\$ 2,884,235	\$ 4,309,766
-	-	-	1,100,017	-	-	-	-	-	-	1,100,017	1,148,275
-	-	-	79,714	22,976	875	197,004	40,474	23,554	2,136	366,733	22,989
-	353,580	753,366	1,576,124	123,537	1,877,584	197,004	40,474	23,554	512,708	4,350,985	8,714,831
-	-	-	-	-	-	-	-	-	596	596	596
-	-	-	-	-	-	-	-	-	13,540	13,540	706,929
-	-	-	-	-	-	-	-	-	15,426	15,426	852,261
-	-	-	-	-	-	-	-	-	344,562	344,562	369,427
-	-	-	2,368,689	444,952	379,926	26,385	-	-	176,427	3,396,379	4,167,073
112,000	225,000	990,111	-	-	-	-	-	-	-	-	990,111
44,490	120,206	267,689	-	-	-	-	-	-	-	-	267,689
156,490	345,206	1,257,800	2,368,689	444,952	379,926	26,385	-	-	550,551	3,770,503	7,361,631
(156,490)	8,374	(504,434)	(792,565)	(321,415)	1,497,658	170,619	40,474	23,554	(37,843)	580,482	1,353,200
157,000	-	921,500	-	262,500	-	-	-	-	-	262,500	1,184,000
-	-	-	(287,707)	-	(677,652)	-	-	-	-	(965,359)	(1,324,679)
157,000	-	921,500	(287,707)	262,500	(677,652)	-	-	-	-	(702,859)	(140,679)
510	8,374	417,066	(1,080,272)	(58,915)	820,006	170,619	40,474	23,554	(37,843)	(122,377)	1,212,521
5,669	13,065	450,926	1,449,489	398,570	1,057,431	183,042	694,834	330,240	457,331	4,570,937	9,828,722
\$ 6,179	\$ 21,439	\$ 867,992	\$ 369,217	\$ 339,655	\$ 1,877,437	\$ 353,661	\$ 735,308	\$ 353,794	\$ 419,488	\$ 4,448,560	\$ 11,041,243

**INDEPENDENT AUDITORS' MANAGEMENT LETTER REQUIRED
BY CHAPTER 10.550, RULES OF THE STATE OF FLORIDA
OFFICE OF THE AUDITOR GENERAL**

To the Honorable Mayor, City Commission, and City Manager,
City of Ormond Beach, Florida:

Report on the Financial Statements

We have audited the basic financial statements of the City of Ormond Beach, Florida (the City), as of and for the fiscal year ended September 30, 2016, and have issued our report thereon dated February 8, 2017.

Auditors' Responsibility

We conducted our audit in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements of Federal Awards* (Uniform Guidance); and Chapter 10.550, Rules of the Florida Auditor General.

Other Reports and Schedule

We have issued our Independent Auditors' Report on Internal Control over Financial Reporting and Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with *Government Auditing Standards*; Independent Auditors' Report on Compliance with Each Major Federal Program and Report on Internal Control over Compliance in Accordance with the Uniform Guidance; Schedule of Findings and Questioned Costs; and Independent Accountants' Examination Report on an examination conducted in accordance with *AICPA Professional Standards*, Section 601, regarding compliance requirements in accordance with Chapter 10.550, Rules of the Auditor General. Disclosures in those reports and schedule, which are dated February 8, 2017, should be considered in conjunction with this management letter.

Prior Audit Findings

Section 10.554(1)(i)1., Rules of the Auditor General, requires that we determine whether or not corrective actions have been taken to address findings and recommendations made in the preceding annual financial audit report. No uncorrected findings exist from the second preceding audit. The following summarizes the status of prior year findings and recommendations:

2015-001 Budgetary Compliance: Corrective action taken.

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Official Title and Legal Authority

Section 10.554(1)(i)4., Rules of the Auditor General, requires that the name or official title and legal authority for the primary government and each component unit of the reporting entity be disclosed in this management letter, unless disclosed in the notes to the financial statements. The City of Ormond Beach, Florida was created and reestablished as a municipal government when its present charter was approved by the voters at a general referendum in 1931 and by the Laws of Florida 14622 and the Act of 1929. Also see note 1(b) to the financial statements.

Financial Condition

Sections 10.554(1)(i)5.a. and 10.556(7), Rules of the Auditor General, require we apply appropriate procedures and report the results of our determination as to whether or not the City has met one or more of the conditions described in Section 218.503(1), Florida Statutes, and identification of the specific condition(s) met. In connection with our audit, we determined that the City did not meet any of the conditions described in Section 218.503(1), Florida Statutes.

Pursuant to Sections 10.554(1)(i)5.c. and 10.556(8), Rules of the Auditor General, we applied financial condition assessment procedures. It is management's responsibility to monitor the City's financial condition, and our financial condition assessment was based in part on representations made by management and the review of financial information provided by same.

Annual Financial Report

Sections 10.554(1)(i)5.b. and 10.556(7), Rules of the Auditor General, require that we apply appropriate procedures and report the results of our determination as to whether the annual financial report for the City for the fiscal year ended September 30, 2016, filed with the Florida Department of Financial Services pursuant to Section 218.32(1)(a), Florida Statutes, is in agreement with the annual financial audit report for the fiscal year ended September 30, 2016. In connection with our audit, we determined that these two reports were in agreement.

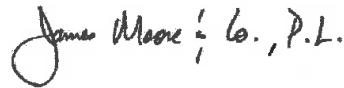
Other Matters

Section 10.554(1)(i)2., Rules of the Auditor General, requires that we address in the management letter any recommendations to improve financial management. In connection with our audit, we did not have any such recommendations.

Section 10.554(1)(i)3., Rules of the Auditor General, requires that we address noncompliance with provisions of contracts or grant agreements, or abuse, that have occurred, or are likely to have occurred, that have an effect on the financial statements that is less than material but which warrants the attention of those charged with governance. In connection with our audit, we had no such recommendations.

Purpose of this Letter

Our management letter is intended solely for the information and use of the Legislative Auditing Committee, members of the Florida Senate and the Florida House of Representatives, the Florida Auditor General, Federal and other granting agencies, and applicable management and the City Commission, and is not intended to be and should not be used by anyone other than these specified parties.



Daytona Beach, Florida
February 8, 2017

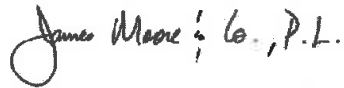
INDEPENDENT ACCOUNTANTS' EXAMINATION REPORT

To the Honorable Mayor, City Commission, and City Manager,
City of Ormond Beach, Florida:

We have examined the City of Ormond Beach, Florida's (the City) compliance with Section 218.415, Florida Statutes, *Local Government Investment Policies*, for the year ended September 30, 2016. Management is responsible for the City's compliance with those requirements. Our responsibility is to express an opinion on the City's compliance based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and, accordingly, included examining, on a test basis, evidence about the City's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances. We believe that our examination provides a reasonable basis for our opinion. Our examination does not provide a legal determination on the City's compliance with specified requirements.

In our opinion, the City of Ormond Beach, Florida complied, in all material respects, with the aforementioned requirements for the year ended September 30, 2016.



Daytona Beach, Florida
February 8, 2017

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CITY OF ORMOND BEACH

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MANAGEMENT'S RESPONSE TO FINDINGS

2016-001 Completeness of Grant Revenues

Response: Staff acknowledges the oversight in recording the revenue and receivable associated with an expenditure made from the Municipal Airport Fund. While the request for reimbursement of this expenditure was not in jeopardy, the matching of expenditures and revenues within the same period is required. Tracking and accounting for grants is currently a manual process. However, a computerized grant management system is being implemented which should eliminate future oversights in properly recording expenditures and associated revenue and receivables within the same accounting period.

Attachment 5: Proof of Ownership

19399

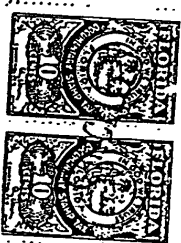
QUITCLAIM DEED

STATE OF GEORGIA)
COUNTY OF FULTON)

THIS INDENTURE, made this the 2nd day of June, 1959, between the UNITED STATES OF AMERICA, acting by and through the Administrator of General Services, under and pursuant to the powers and authority contained in the provisions of the Federal Property and Administrative Services Act of 1949, approved June 30, 1949 (63 Stat. 377), as amended, and the Surplus Property Act of 1944 (58 Stat. 765), as amended, and regulations and orders promulgated thereunder, party of the first part, and the CITY OF ORMOND BEACH, a municipal corporation created, organized and operating under and by virtue of the laws of the State of Florida, in the County of Volusia, in the State of Florida, party of the second part.

WITNESSETH:

That the said party of the first part, for and in consideration of the assumption by the party of the second part of all the obligations and its taking subject to certain reservations, restrictions and conditions and its covenant to abide by and agreement to certain other reservations, restrictions and conditions, all as set out hereinafter, has remised, released and forever quitclaimed and by these presents does remise, release and forever quitclaim to the party of the second part, its successors and assigns, under and subject to the reservations, restrictions and conditions, and exceptions, all as hereinafter expressed and set out, all right, title, interest, claim and demand which the party of the first part has in and to that certain tract of land in Sections 12, 13, in the Grant to George Anderson (Section 37) and in the Grant to Ann Papy (Section 38), Township 14 South, Range 31 East, and in Sections 7, 8, 18 in the Grant to Ann Papy (Section 44) and in the Grant to George Anderson (Section 38), Township 14 South, Range 32 East, situate, lying and being in the County of Volusia, in the State of Florida, and more particularly described as follows, to-wit:



BEGINNING at a point where the southwesterly side of the right-of-way of the Florida East Coast Railway is intersected by the waters of Tomoka River, and run thence N 43° 02' 50" W along the southwesterly side of said railway right-of-way, a distance of 310 feet, more or less, to a point where the southwesterly side of said railway right-of-way is intersected by the southerly boundary of the Grant to George Anderson, Section 38, Township 14 South, Range 32 East; thence N 75° 43' 30" W along the southerly boundary of said Anderson Grant, 5574.52 feet more or less to a point 1600 feet southeasterly from the southwest corner of said Grant, (the southwest corner of Section 37, Township 14 South, Range 31 East); thence N 14° 28' 20" E along a line parallel to the west boundary of said Anderson Grant and distant 1600 feet easterly therefrom, 990 feet; thence N 75° 43' 30" W parallel to the southerly boundary of said Grant, 1500 feet to the west boundary of said Grant; thence S 14° 28' 20" W along the westerly boundary of said Anderson Grant, 796.90 feet more or less to a point where the west boundary of said Grant (Section 37, Township 14 South, Range 31 East) is intersected by the line dividing Sections 1 and 12 in said last mentioned Township; thence S 88° 21' 20" W along the line dividing said Section 1 and 12, 1140.25 feet more or less to the northwest corner of Government Lot 1 in said Section 12; thence S 1° 36' 10" E along the westerly boundary of said Government Lot 1, 2676.04 feet more or less to the southwest corner of said Government Lot 1; thence S 88° 39' 10" W along the northerly boundary of Government Lot 3 in said Section 12, 1318.61

feet, more or less to the northwest corner of said Government Lot 3; thence S 1° 38' E along the westerly boundary of said Government Lot 3, 2669.29 feet, more or less to a point in the southerly boundary of said Section 12; thence N 88° 04' 20" E along the southerly boundary of said Section 12, 902.13 feet more or less to a point in the west boundary of the Grant to Ann Papy (Section 38, Township 14 South, Range 31 East); thence S 1° 05' 40" E along the west boundary of said Ann Papy Grant, 876.68 feet more or less to the southwest corner of said Grant; thence N 89° 00' 20" E along the southerly boundary of said Papy Grant, 409.75 feet more or less, to a point where the southerly boundary of said Grant is intersected by the westerly boundary of Government Lot 1 in Section 13, Township 14 South, Range 31 East; thence S 1° 37' 40" E along the westerly boundary of said Government Lot 1, 1735.42 feet more or less to the southwest corner of said Government Lot; thence N 89° 00' 20" E along the southerly boundary of Government Lot 1 in said Section 13, Township 14 South, Range 31 East, 1320 feet; thence N 88° 52' 50" E along the southerly boundary of Government Lots 3, 2, and 1 in Section 18, Township 14 South, Range 32 East, 4032.28 feet more or less to the waters of Tomoka River; thence northerly and in a northeasterly direction down the waters of said river, 7800 feet, more or less, to the point of beginning; LESS AND EXCEPT THEREFROM, and reserving unto the party of the first part, the following three parcels of land which parcels are described as follows, to-wit:

Section 38 of the Ann Papy Grant, Township 14 South, Range 31 East, containing 67.2 acres, more or less, and

Lot 1, Section 13, Township 14 South, Range 31 East, containing 53.6 acres, more or less, and

Lot 3, Section 18, Township 14 South, Range 32 East, containing 54.0 acres, more or less.

ALSO, that certain permanent easement, for road purposes, in and over the following described land, to-wit:

A strip of land in the Grant to George Anderson, Section 38 Township 14 South, Range 32 East, Volusia County, Florida, said strip of land being described more particularly as follows: For point of reference commence at the Southwest corner of said Anderson Grant (Southwest Corner of Section 37, Township 14 South, Range 31 East) and run thence South 75° 43' 30" East along the Southerly boundary of said Anderson Grant, a distance of 1600 feet; run thence North 14° 28' 20" East and parallel to the Westerly boundary of said Anderson Grant, a distance of 990 feet for point of beginning. From the point of beginning thus described run North 75° 43' 30" West and parallel to the Southerly boundary of said Anderson Grant, a distance of 100 feet; run thence North 14° 28' 20" East, and parallel to the Westerly boundary of said Anderson Grant, a distance of 2635.59 feet to a point in the right-of-way of the Florida East Coast Railway near the Northeasterly side of said Right of Way; run thence North 49° 01' 20" East a distance of 573.35 feet to the southwesterly side of the right-of-way of Florida State Road #4 (U. S. Highway #1); run thence South 43° 01' 40" East along said right-of-way, a distance of 100.06 feet to a point; run thence South 49° 01' 20" West a distance of 545.83 feet to a point in the Northeasterly side of the right-of-way of the Florida East Coast Railway which lies North 14° 28' 20" East from the point of beginning; run thence

South 14° 28' 20" West a distance of 3594.15 feet to the point of beginning, containing 7.35 acres, more or less; subject, however, to the following:

- (1) All existing public utility easements;
- (2) The primary right of the Florida East Coast Railway Company, the trustees of its property, their successors and assigns, to use, for all usual, customary and incidental common carrier purposes, that portion of the hereinbefore described strip of land which lies within the right-of-way of the Florida East Coast Railway, the said Florida East Coast Railway right-of-way being a strip of land 145 feet wide, extending 60 feet northwesterly and 85 feet southwesterly from the center line of the main northbound track of said Railway when measured at right angles to the center line of said track.

SUBJECT, HOWEVER, to the following:

- (1) All existing easements and rights-of-way for roads, highways, railroads, pipelines and public utilities; and
- (2) A prohibition against the placing of any obstruction on any of the above described land which lies within 2000 feet in any direction from the Federal Aviation Agency V. O. R. Facility presently situate on the above described property. For the purpose of this prohibition, an obstruction is defined to be any structure over six feet in height or any metal fence or other metal object or structure which would adversely affect the operations of the said Federal Aviation Agency V. O. R. Facility; and
- (3) The reservation by the party of the first part, for so long as is required, of an easement for the maintenance and operation of the presently existing Federal Aviation Agency V. O. R. Facility, and ingress thereto and egress therefrom, in, on, over and across the following described property, to-wit:

A tract of land in Lots 3, 4 and 6 in the southwest quarter of Section 7, Township 14 South, Range 32 East, Volusia County, Florida; BEGINNING at the SW corner of Lot 3, in said Section 7, proceed North 680 feet more or less along the west line of said Lot 3 to the north side of a paved taxiway; thence along the north edge of said taxiway Southeasterly 460 feet more or less; thence South 720 feet more or less; thence West 400 feet more or less; thence North 280 feet more or less along the west side of lot 6 to the point of beginning; together with one hundred foot wide strip of land embracing an existing paved taxiway and extending along its centerline from near the NW corner of the above plot of land Northwestwardly 1100 feet more or less.

IT IS AGREED AND UNDERSTOOD by and between the parties hereto that the party of the second part will not be required to maintain the NE/SW and NW/SE runways situate on the above described property.

ALSO, EXCEPTING from this conveyance all right, title and interest in and to all its property in the nature of equipment, furnishings and other personal property located on the above described premises which can be removed from the land without material injury to the land or structures located thereon, other than property of such nature located on the premises conveyed hereby which is reasonably necessary for the operation or maintenance of the airport or for the operation or maintenance of the structures and improvements specifically listed hereinabove as being transferred hereby, for any reasonable use for which such structures or improvements are readily adaptable; and further excepting from this conveyance all its structures on said premises other than structures specifically described or enumerated above as being conveyed hereunder; and reserving to the party of the first part for itself and its lessees, licensees, permittees, agents, and assigns the right to use the property and structures excepted hereby in such a manner as will not materially and adversely affect the development, improvements, operation or maintenance of the airport and the right of removal from said premises of such property and structures,

all within a reasonable period of time after the date hereof, which shall not be construed to mean any period more than one (1) year after the date of this instrument, together with a right of ingress to and egress from said premises for such purposes.

The property hereby conveyed has heretofore been declared surplus to the needs of the UNITED STATES OF AMERICA, is presently under the jurisdiction of the General Services Administration, is available for disposal and its disposal has been heretofore authorized by the Administrator of General Services, acting pursuant to the above referred to laws, regulations and orders.

TO HAVE AND TO HOLD the same, together with all and singular the appurtenances thereunto belonging or in any wise appertaining, and all the estate, right, title, interest or claim whatsoever of the said party of the first part, either in law or in equity, except the property excepted hereinabove and the rights reserved hereinabove, and under and subject to the reservations, restrictions and conditions set forth in this instrument, to the only proper use, benefit and behoof of the said party of the second part, its successors and assigns, forever.

By the acceptance of this deed or any rights hereunder, the said party of the second part, for itself, its successors and assigns, agrees that the transfer of the property transferred by this instrument, is accepted subject to the following restrictions set forth in subparagraphs (1) and (2) of this paragraph, which shall run with the land, imposed pursuant to the authority of Article 4, Section 3, Clause 2 of the Constitution of the UNITED STATES OF AMERICA, the Surplus Property Act of 1944, as amended, the Federal Property and Administrative Services Act of 1949, as amended, and applicable rules, regulations and orders:

(1) That, except as provided in subparagraph (6) of the next succeeding unnumbered paragraph, the land, buildings, structures, improvements and equipment in which this instrument transfers any interest shall be used for public airport purposes for the use and benefit of the public, on reasonable terms and without unjust discrimination and without grant or exercise of any exclusive right for use of the airport within the meaning of the terms "exclusive right" as used in subparagraph (4) of the next succeeding paragraph. As used in this instrument, the term "airport" shall be deemed to include at least all such land, buildings, structures, improvements and equipment.

(2) That, except as provided in subparagraph (6) of the next succeeding paragraph, the entire landing area, as defined in GSA Regulation 2-I-102.01 a. 11, dated December 1953, and all structures, improvements, facilities and equipment in which this instrument transfers any interest shall be maintained for the use and benefit of the public at all times in good and serviceable condition, to assure its efficient operation, provided, however, that such maintenance shall be required as to structures, improvements, facilities and equipment only during the remainder of their estimated life, as determined by the Administrator of the Federal Aviation Agency or his successor. In the event materials are required to rehabilitate or repair certain of the aforementioned structures, improvements, facilities or equipment, they may be procured by demolition of other structures, improvements, facilities or equipment transferred hereby and located on the above land which have outlived their use as airport property in the opinion of the Administrator of the Federal Aviation Agency or his successor.

By the acceptance of this deed or any rights hereunder, the said party of the second part for itself, its successors and assigns, also assumes the obligations of, covenant to abide by and agree to, and this transfer is made subject to, the following reservations and restrictions set forth in subparagraph (1) to (7), inclusive, of this paragraph, which shall run with the land, imposed pursuant to the authority of Article 4, Section 3, Clause 2 of the Constitution of the UNITED STATES OF AMERICA, the Surplus Property Act of 1944, as amended, Federal Property and Administrative Services Act of 1949, as amended, and applicable rules, regulations and orders:

(1) That insofar as it is within its powers, the party of the second part shall adequately clear and protect the aerial approaches to the

airport by removing, lowering, relocating, marking or lighting or otherwise mitigating existing airport hazards and by preventing the establishment or creation of future airport hazards.

(2) That the UNITED STATES OF AMERICA (hereinafter sometimes referred to as the "Government") through any of its employees or agents shall at all times have the right to make nonexclusive use of the landing area of the airport at which any of the property transferred by this instrument is located or used, without charge: Provided, however, that such use may be limited as may be determined at any time by the Administrator of the Federal Aviation Agency or his successor to be necessary to prevent undue interference with use by other authorized aircraft: Provided, further, that the Government shall be obligated to pay for damages caused by such use, or if its use of the landing area is substantial, to contribute a reasonable share of the cost of maintaining and operating the landing area, commensurate with the use made of it.

(3) That during any national emergency declared by the President of the UNITED STATES OF AMERICA or the Congress thereof, including any existing national emergency, the Government shall have the right to make exclusive or nonexclusive use and have exclusive or nonexclusive control and possession, without charge, of the airport at which any of the property transferred by this instrument is located or used, or of such portion thereof as it may desire, provided, however, that the Government shall be responsible for the entire cost of maintaining such part of the airport as it may use exclusively, or over which it may have exclusive possession or control, during the period of such use, possession, or control, and shall be obligated to contribute a reasonable share, commensurate with the use made by it, of the cost of maintenance of such property as it may use nonexclusively or over which it may have nonexclusive control and possession: Provided, further, that the Government shall pay a fair rental for its use, control or possession, exclusively or nonexclusively, of any improvements to the airport made without United States aid, and never owned by the United States.

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(4) That no exclusive right, as defined in subsection (g) (2) (C) of Section 13 of the Surplus Property Act of 1944, as amended, for the use of the airport at which the property transferred by this instrument is located shall be vested (directly or indirectly) in any person or persons to the exclusion of others in the same class, the term "exclusive right" being defined to mean

(1) any exclusive right to use the airport for conducting any particular aeronautical activity requiring operation of aircraft;

(2) any exclusive right to engage in the sale or supplying of aircraft, aircraft accessories, equipment, or supplies (excluding the sale of gasoline and oil), or aircraft services necessary for the operation of aircraft (including the maintenance and repair of aircraft, aircraft engines, propellers, and appliances).

(5) That, except as provided in subparagraph (6) of this paragraph, the property transferred hereby may be successively transferred only with the proviso that any such subsequent transferee assumes all the obligations imposed upon the party of the second part by the proviso of this instrument.

(6) That no property transferred by this instrument shall be used, leased, sold, salvaged, or disposed of by the party of the second part for other than airport purposes without the written consent of the Administrator of the Federal Aviation Agency, which shall be granted only if said Administrator determines that the property can be used, leased, sold, salvaged or disposed of for other than airport purposes without materially and adversely affecting the development, improvement, operation or maintenance of the airport at which such property is located: Provided, that no structures disposed of hereunder shall be used as an industrial plant, factory, or similar facility within the meaning of Section 23 of the Surplus Property Act of 1944, as amended, unless the party of the second part shall pay to the United States such sums as the Administrator of the Federal Aviation Agency or his successor in function shall determine to be a fair consideration for the removal of the restriction imposed by this proviso.

(1) The party of the second part does hereby release the Government, and will take whatever action may be required by the Administrator of the Federal Aviation Agency to assure the complete release of the Government from any and all liability the Government may be under for restoration or other damages under any lease or other agreement covering the use by the Government of the airport, or part thereof, owned, controlled or operated by the party of the second part, upon which, adjacent to which, or in connection with which, any property transferred by this instrument was located or used: Provided, that no such release shall be construed as depriving the party of the second part of any right it may otherwise have to receive reimbursement under Section 17 of the Federal Airport Act for the necessary rehabilitation or repair of public airports heretofore or hereafter substantially damaged by any Federal agency.

By acceptance of this instrument or any rights hereunder, the party of the second part further agrees with the party of the first part as follows:

(1) That in the event that any of the aforesaid terms, conditions, reservations or restrictions are not met, observed, or complied with by the party of the second part or any subsequent transferee, whether caused by the legal inability of said party of the second part or subsequent transferee to perform any of the obligations herein set out, or otherwise, the title, right of possession and all other rights transferred by this instrument to the party of the second part, or any portion thereof, shall at the option of the party of the first part revert to the party of the first part sixty (60) days following the date upon which demand to this effect is made in writing by the Administrator of the Federal Aviation Agency or his successor in function, unless within sixty (60) days such default or violation shall have been cured and all such terms, conditions, reservations and restrictions shall have been met, observed, or complied with, in which event said reversion shall not occur and title, right of possession, and all other rights transferred hereby, except such, if any, as shall have previously reverted, shall remain vested in the party of the second part, its transferees, successors and assigns.

(2) That if the construction as covenants of any of the foregoing reservations and restrictions recited herein as covenants or the application of the same as covenants in any particular instance is held invalid, the particular reservations or restrictions in question shall be construed instead merely as conditions upon the breach of which the Government may exercise its option to cause the title, interest, right of possession and all other rights transferred to the party of the second part, or any portion thereof, to revert to it, and the application of such reservations or restrictions as covenants in any other instance and the construction of the remainder of such reservations and restrictions as covenants shall not be affected thereby.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed as of the day and year first above written.

UNITED STATES OF AMERICA
Acting by and through
Administrator of General Services

WITNESSES:
Montene H. Hudson
August L. Robinson

By *Frank V. O'Gara*
FRANK V. O'GARA
Regional Commissioner
General Services Administration
Region IV, Atlanta, Georgia

WITNESSES:
Irene Beckham
Blanche A. Sheehan

CITY OF ORMOND BEACH
A municipal corporation

By *Leonard Pines*
Mayor

ATTEST: *Seald F. O'Leary*
City Clerk




(SEAL)

STATE OF GEORGIA)
)
COUNTY OF FULTON)

This day, before the undersigned, personally appeared FRANK J. O'GARA, to me well known and known to be the person described in and who executed the foregoing instrument on behalf of the UNITED STATES OF AMERICA, and acknowledged that he, FRANK J. O'GARA, being thereunto duly authorized as Regional Commissioner, General Services Administration, Region IV, Atlanta, Georgia, executed the same for the uses and purposes therein expressed as the free act and deed of the UNITED STATES OF AMERICA, the General Services Administration, the Administrator of General Services and himself.

IN WITNESS WHEREOF, I have hereunto affixed my hand and seal of office at Atlanta, Georgia, this the 2nd day of June, 1959.

Montene W. Hudson
MONTENE W. HUDSON, Notary Public
Georgia, State at Large
My Commission expires July 6, 1962


STATE OF FLORIDA)
)
COUNTY OF VOLUSIA)

I, the undersigned Notary Public in and for the above County and State, hereby certify that on this day personally appeared before me, LEONARD RIZZO and GERAID F. ALTHOUSE, Mayor and Clerk, respectively, of the City of Ormond Beach, State of Florida, to me well known and known to be the persons described in and who executed the foregoing instrument, and acknowledged that they, in their respective capacities, executed the same for the purposes therein expressed as the free act and deed of the City of Ormond Beach, State of Florida, and that they caused to be affixed thereto the official seal of the City of Ormond Beach, State of Florida, and that the said instrument is the act and deed of the City of Ormond Beach, State of Florida.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal of office in Ormond Beach, Florida, this the 25th day of June, 1959.

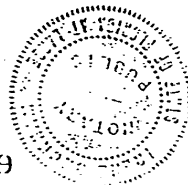
Gene Beckham
NOTARY PUBLIC
Notary Public, State of Florida at Large
My Commission expires May 11, 1962

OFFICIAL FILED FOR RECORD
RECORDS RECORDED
BOOK 212 PAGE 604

1959 JUL 10 AM 8 29

Gene Beckham

19399



CERTIFICATE OF RECORDATION

STATE OF FLORIDA)
COUNTY OF VOLUSIA)

This is to certify that a Quitclaim Deed dated June 2, 1959,
from the UNITED STATES OF AMERICA conveying to the CITY OF ORMOND BEACH,
FLORIDA, a portion of Tomoka Outlying Field for airport purposes, was
filed in my office at 8:29 o'clock A. m. on the 10th day of July,
1959, and has been duly recorded at page 604 of Official Records
of the records in my office. 212 of Book No.

JESS MATHAS,
Clerk of the Circuit Court
Volusia County, Florida
By Clifford Batta
Deputy

RETURN TO
HUGH K. MAHON, JR.
Regional Counsel
GENERAL SERVICES ADMINISTRATION
50 SEVENTH STREET, N. E.
ATLANTA 23, GEORGIA

