



Post Office Box 3005
2831 Talleyrand Avenue
Jacksonville, Florida 32206-0005
www.jaxport.com

September 3, 2021

ADDENDUM NO. 05
TO
SPECIFICATIONS AND CONTRACT DOCUMENTS
FOR
INVITATION TO BID
SSA JACKSONVILLE CONTAINER TERMINAL
CONTAINER YARD IMPROVEMENTS
JPA CONTRACT NO. C-1772

The item(s) of this Addendum shall modify and become a part of the contractual documents for this project as of this date. (Failure to acknowledge this addendum will be grounds for rejection of proposal.)

PHYSICAL CHANGES TO CONTRACT SPECIFICATIONS

Item No. 01

ADD Reference K – Example Details for HMLP Foundations

Item No. 02

Reference to Drawing 001-E-5003, **DELETE** Note "2. Refer to 001-S-1000 for foundation details" and **REPLACE** with "2. High mast light pole manufacturer shall design the foundations for their poles in accordance with Specification Section 26 55 00 High Mast Lighting."

Item No. 03

Reference to Specifications, Section 26 55 00, **ADD** to Article 1.02 DESIGN REQUIREMENTS "C. Structural Calculations. Pole structural calculations and foundation design showing foundation shape, depth backfill requirements, rebar and anchor bolts (if required). Pole base reaction forces shall be shown on the foundation drawing along with soil bearing pressures. Design must be signed and sealed by a Professional Engineer licensed in the State of Florida and submitted to Engineer of Record for review. Refer to the following references for the design:

- a. Wind load criteria stated on Drawing 001-S-0001. This wind load criteria takes precedence over other stated wind speeds that may appear in the documents.
- b. Reference A – Geotechnical Data Report
- c. Reference B – Geotechnical Design Report
- d. Reference K – Example Details for HMLP Foundations."

Item No. 04

Additional information on the wharf adjacent to the SSA terminal. Current berth depth is 40'. Berth availability is subject to vessel scheduling, under no circumstances will project berth use take priority over SSA and/or JAXPORT use of the berth(s) (See Exhibit A – Wharf Information).

ATTACHMENTS TO CONTRACT SPECIFICATIONS

Attachment No. 01

Response to Question

Attachment No. 02

Reference K – Example Details for HMLP Foundations

Attachment No. 03

Exhibit A – Wharf Information

Acknowledgment of the following addenda is hereby made:

Addendum #5, Dated: _____ Initials _____

Company _____

NOTE: THIS ADDENDUM SHALL BE ACKNOWLEDGED IN YOUR BID SUBMISSION, FAILURE TO ACKNOWLEDGE ADDENDUM WILL BE GROUNDS FOR REJECTION OF BID.

PLEASE VISIT <http://www.jaxport.com/procurement/active-solicitations> OR CALL THE PROCUREMENT DEPARTMENT AT (904) 357-3017, PRIOR TO THE BID OPENING TO DETERMINE IF ANY ADDENDA HAVE BEEN RELEASED ON THIS CONTRACT.



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INVITATION TO BID

JPA CONTRACT NO.: C-1772 SSA JACKSONVILLE CONTAINER TERMINAL – CONTAINER YARD IMPROVEMENTS

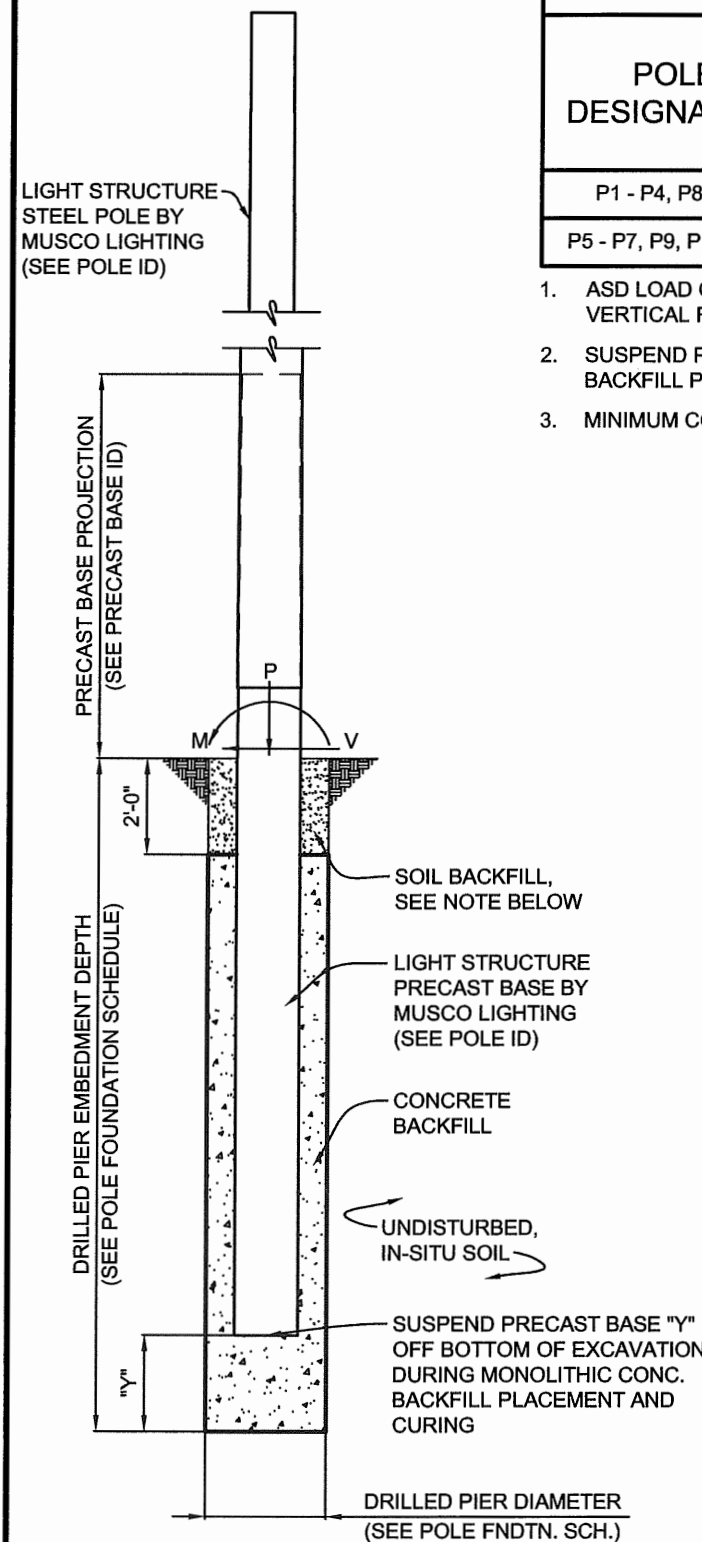
RESPONSE TO QUESTIONS

1. We have a note on page 001-E-5003 referencing foundation details on sheet 001-S-1000. We can't find that page in any of the amendments or the original drawings. Any chance you could let me know where that sheet is located?

ANSWER:

The decision was made to require the high mast light pole manufacturer to design the foundations for their poles, but this did not translate fully into the bid documents. The Issue for Construction documents will be updated with the following information, and this shall be the basis of the bid.

1. **ADD** "Reference K - Example Details for HMLP Foundations."
2. **Drawing 001-E-5003.** DELETE Note "2. Refer to 001-S-1000 for foundation details" and REPLACE with "2. High mast light pole manufacturer shall design the foundations for their poles in accordance with Specification Section 26 55 00 High Mast Lighting"
3. **Specification 26 55 00.** ADD to Article 1.02 DESIGN REQUIREMENTS "C. Structural Calculations. Pole structural calculations and foundation design showing foundation shape, depth backfill requirements, rebar and anchor bolts (if required). Pole base reaction forces shall be shown on the foundation drawing along with soil bearing pressures. Design must be signed and sealed by a Professional Engineer licensed in the State of Florida and submitted to Engineer of Record for review. Refer to the following references for the design:
 - a. Wind load criteria stated on Drawing 001-S-0001. This wind load criteria takes precedence over other stated wind speeds that may appear in the documents.
 - b. Reference A – Geotechnical Data Report
 - c. Reference B – Geotechnical Design Report
 - d. Reference K – Example Details for HMLP Foundations."



POLE FOUNDATION SCHEDULE							
POLE DESIGNATION	FORCES (1.)			DRILLED PIER			
	MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS	DIAMETER INCHES	EMBEDMENT DEPTH	SUSPENSION "Y" (2.)	CONCRETE BACKFILL YD ³ (3.)
P1 - P4, P8, P10	284,043	4,168	6,124	48	22'-0"	2'-0"	7.3
P5 - P7, P9, P11 - P14	278,131	4,117	6,061	48	22'-0"	2'-0"	7.3

- ASD LOAD COMBINATION D + 0.6W. VERTICAL FORCE IS WEIGHT OF DRESSED POLE (DOES NOT INCLUDE PRECAST BASE WEIGHT)
- SUSPEND PRECAST BASE "Y" OFF THE BOTTOM OF THE EXCAVATION DURING MONOLITHIC CONCRETE BACKFILL PLACEMENT AND CURING.
- MINIMUM CONCRETE BACKFILL VOLUME, SITE CONDITIONS MAY REQUIRE ADDITIONAL BACKFILL.

PRECAST BASE IDENTIFICATION					
PRECAST BASE TYPE	PRECAST BASE WEIGHT	PRECAST BASE LENGTH	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT	OUTSIDE DIAMETER
7B	10,160 LBS	27'-10"	7'-10"	20'-0"	23.75"

POLE IDENTIFICATION				
POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT ²)
P1 - P4, P8, P10	LSS120A	7B	10 (6) / (4)	19.3
P5 - P7, P9, P11 - P14	LSS120A	7B	10 (5) / (5)	18.3

DESIGN NOTES

DESIGN PARAMETERS:
 WIND: $V_{ult} = 130$ MPH, $V_{asd} = 101$ MPH (EXPOSURE C, RISK CATEGORY II)
 PER FBC, 2017 EDITION (ASCE 7-10), SECTION 1609. DESIGN WIND PARAMETERS ARE AS NOTED, ACTUAL EXPOSURE MUST BE VERIFIED FOR THE SITE BY THE PROPER GOVERNING OFFICIAL.

GEOTECHNICAL PARAMETERS:
 REQUIRED ALLOWABLE SKIN FRICTION: 100 PSF
 ALLOWABLE LATERAL SOIL BEARING PRESSURE: 0 PSF/FT (GRADE TO -2'-0");
 98 PSF/FT (-2'-0" TO -3'-0"); 133 PSF/FT (-3'-0" TO -10'-0");
 69 PSF/FT (-10'-0" TO -30'-0"); 133 PSF/FT (BELOW -30'-0")
 IN ACCORDANCE WITH THE 2017 EDITION OF THE FLORIDA BUILDING CODE, CHAPTER 18.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE SOILS AND FOUNDATION REPORT, NO. D3188000, PREPARED BY JACOBS ENGINEERING GROUP, INC.; TAMPA, FL.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

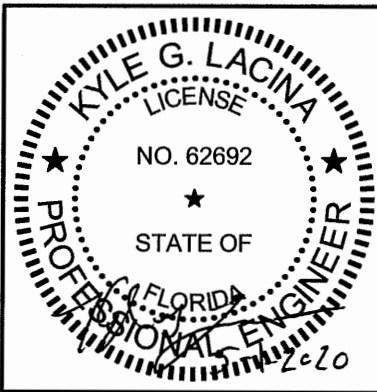
ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 6'-0".

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

CONCRETE:
 CONCRETE SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF 3,000 PSI. 3,000 PSI CONCRETE SPECIFIED FOR EARLY POLE ERECTION, ACTUAL REQUIRED MINIMUM ALLOWABLE CONCRETE STRENGTH IS 1,000 PSI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM UNDISTURBED SOIL.

GENERAL NOTES:
 FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.

KYLE G. LACINA - NO. PE 62692
 LICENSE RENEWAL DATE: FEBRUARY 28, 2021
 STRUCTURAL ENGINEERS, P.C. - NO. 26361
 DRAWING NO. COVERED BY THIS SEAL: C1

POLE FOUNDATION ELEV.

SCALE: NOT TO SCALE

SOIL BACKFILL NOTE:
 THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 4 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

JAXPORT BMT SSA
 PHASE ONE
 AREA LIGHTING
 JACKSONVILLE, FL



STRUCTURAL ENGINEERS, P.C.
 114 NICHOLAS DRIVE
 MARSHALLTOWN, IOWA 50158
 PHONE NUMBER: 641-752-6334
 EMAIL: MSL.INFO@SEPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION
 SCALE: SEE PLAN
 NOTES: SCAN #202901F

PROJECT NUMBER: 202901

DATE: 01 MAY 2020

DRAWING NUMBER: C1

OF ONE

