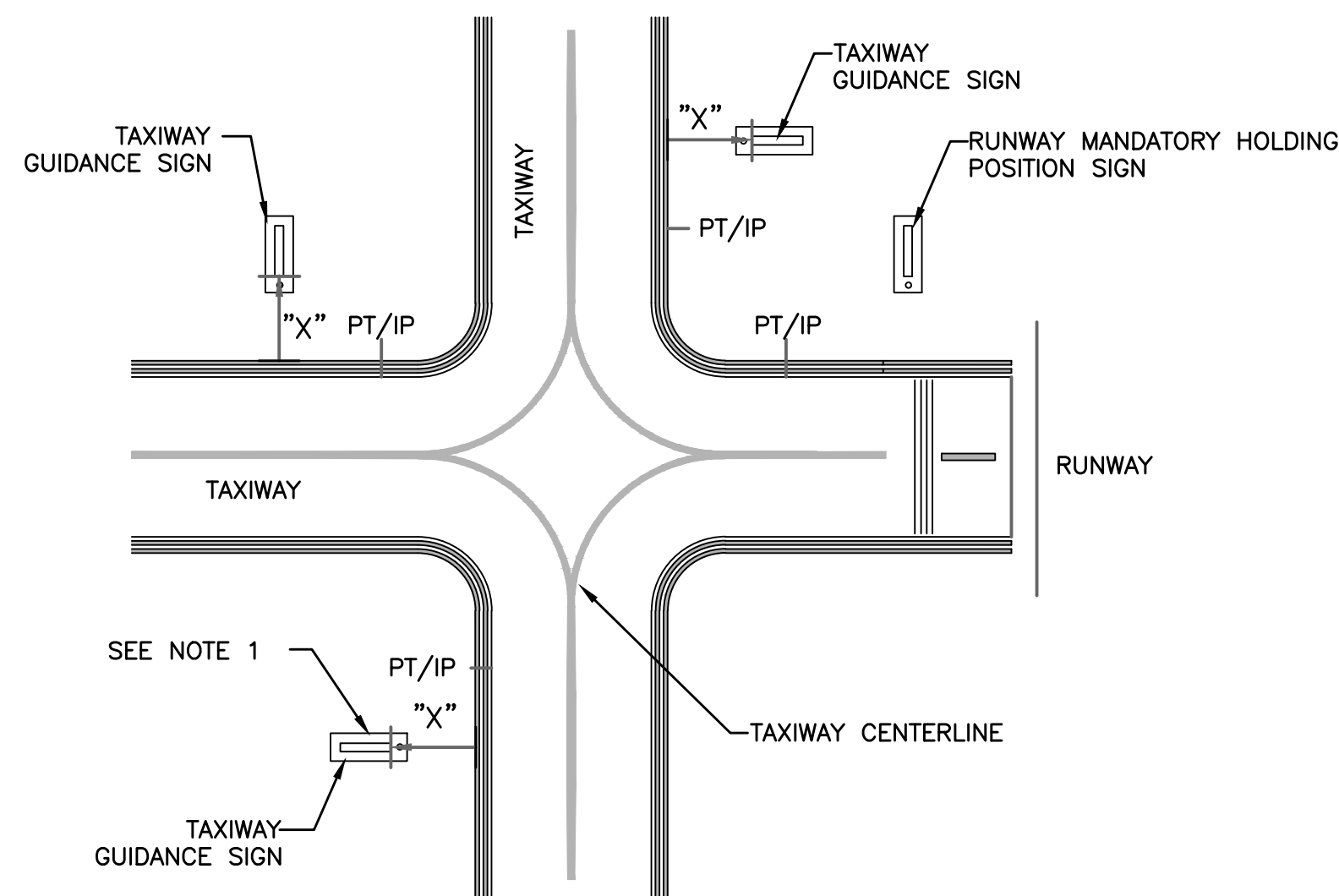


CONCRETE BACKFILL NOTE: CONCRETE FOR BACKFILL, SIGN PADS AND BASE CANS IN THE RUNWAY/TAXIWAY SAFETY AREAS AND IN EXISTING PAVEMENT WHERE AIRCRAFT TRAFFIC WILL RESUME IMMEDIATELY UPON RE-OPENING, OR IN AREAS OTHERWISE INDICATED IN THE DETAILS AND DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF P-610 CONCRETE WITH A MINIMUM 24 HOUR STRENGTH OF 2,500 PSI AND A MINIMUM 28 DAY STRENGTH OF 5,000 PSI. A CONCRETE MIX DESIGN SHALL BE SUBMITTED AND APPROVED BEFORE COMMENCEMENT OF WORK.

SIGN LAYOUT AND OFFSET NOTES:

- TAXIWAY GUIDANCE SIGNS SHALL BE TYPICALLY LOCATED 15' PRIOR TO THE POINT OF TANGENCY (PT)/INTERSECTION POINT(IP). SEE GEOMETRY PLANS FOR PT/IP LOCATIONS. ALL SIGNS SHALL BE STAKED IN THE FIELD AND THE FINAL LOCATION APPROVED BY RPR PRIOR TO INSTALLATION.
- ALL SIZE 1 SIGNS SHALL BE INSTALLED AT 17' FROM THE DEFINED EDGE OF PAVEMENT TO THE NEAREST EDGE OF THE GUIDANCE SIGN FRAME. IF A SIGN CANNOT BE INSTALLED AT ITS STANDARD LOCATION DUE TO AN OBSTRUCTION, A TOLERANCE OF 10 TO 20 FEET FROM THE DEFINED EDGE OF PAVEMENT TO THE NEAREST EDGE OF THE GUIDANCE SIGN FRAME IS ALLOWED AS STATED IN FAA AC150/5340-18 LATEST EDITION.



GUIDANCE SIGN TYPICAL OFFSET AND POSITIONS
EXAMPLE OF A PERPENDICULAR TAXIWAY CONNECTOR LESS THAN 150' WIDE
NOT TO SCALE

"X" = OFFSET DISTANCE FROM DEFINED PAVEMENT EDGE (OUTSIDE EDGE OF OUTBOARD STRIPE) TO THE NEAREST EDGE OF THE GUIDANCE SIGN FRAME.
SIZE 1 SIGNS = 17'

ENGINEER: JAMES W. KAPPES
DATE: 2/23/22
DESIGNED BY: JMK
CHECKED BY: ALC
FIELD BOOK: 33301

DATE: 2/23/22
SCALE: AS NOTED
DESIGNED BY: JMK
CHECKED BY: ALC
FIELD BOOK: 33301

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	DESCRIPTION

PROJECT # P12539
TAXIWAY G REHABILITATION
FORT LAUDERDALE EXECUTIVE AIRPORT
ELECTRICAL DETAILS
6000 NW 21ST AVE, FORT LAUDERDALE, FL

SHEET NO. E10

TOTAL: 38
CAD FILE: 12539-E10-DET
DRAWING FILE NO. 4-142-90

QUANTUM
Electrical Engineering, Inc.
2755 VISTA PARKWAY SUITE I-9
WEST PALM BEACH, FL 33411
561-210-9224
LICENSE NO. CA30805

HDR
HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100
FORT LAUDERDALE, FLORIDA, 33309
T: 954.535.1876 F: 954.233.4953
CA# 4213

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.
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FAA FACILITIES 954-356-7212

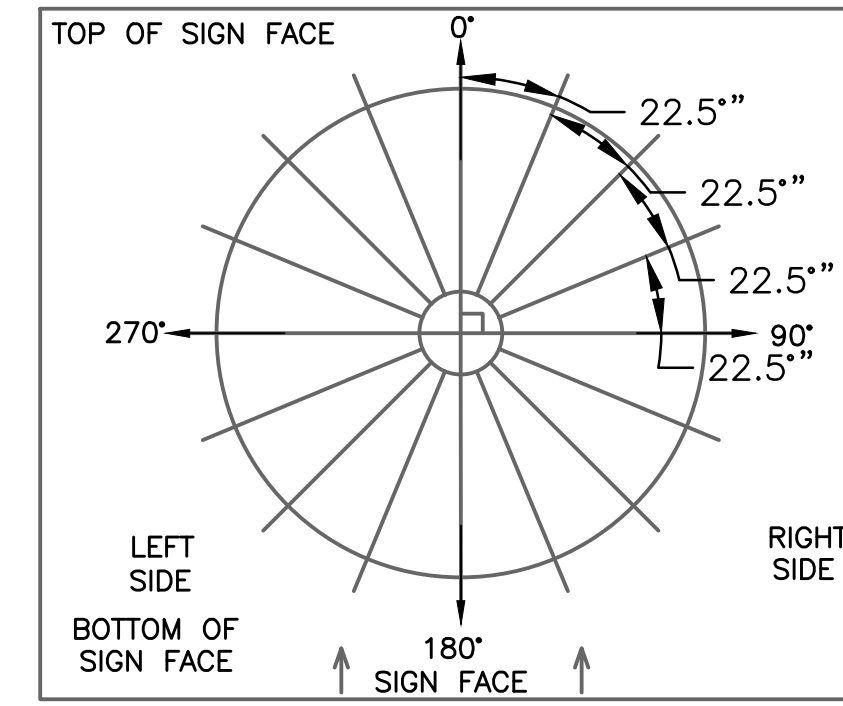
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RELOCATED LIGHTED SIGN PANEL SCHEDULE											
SIGN NO.	NO. OF MODULES	SIZE	STYLE	LAMP	COLOR			COLOR		REMARKS	
					SIDE 1 LEGEND			SIDE 2 LEGEND			
111	4	1	2	LED	Y	L	Y	B		G	E-4
					←C	G	G↗ C→				
112	2	1	2	LED	Y	L	B		G	E-4	
					←M	G					

ARROW ROTATION ANGLE DATA AS VIEWED LOOKING AT SIGN FACE



SIGN PANEL NOTES:

- ARROWS INDICATE DIRECTION OF TAXIWAYS.
- IT IS THE RESPONSIBILITY OF CONTRACTOR TO ENSURE THAT THE DIRECTIONAL ARROWS ON ANGLED TAXIWAYS (NOT 90°) MATCHES CENTERLINE OF REFERENCED TAXIWAY TO THE NEAREST 22.5'; SEE ROSE COMPASS FOR GUIDANCE.
- CONTRACTOR SHALL PROVIDE ALL SIGN LEGENDS AND BLANK PANELS REQUIRED BY THE SIGN PANEL SCHEDULE, MANUFACTURER AND FAA AC150/5340-18, LATEST EDITION.
- CONTRACTOR SHALL PROVIDE MESSAGE DIVIDERS ON NEW AND EXISTING SIGNS TO BE REPAIRED PER AC150/5340-18, LATEST EDITION. MESSAGE DIVIDERS SHALL BE INCLUSIVE TO THE LINE ITEMS FOR SIGNAGE.
- SIGNS SHALL BE PAID BY CHARACTER, UNLESS OTHERWISE INDICATED. ONE CHARACTER SHALL BE DEFINED AS 1 LETTER, NUMERAL OR SPECIAL CHARACTER/PUNCTUATION REGARDLESS OF TEXT OR BACKGROUND COLOR CHANGES. SIGNS SHALL BE PAID FOR BY THE SIGN SIDE THAT HAS THE GREATEST NUMBER OF CHARACTERS AND SHALL NOT ACCOUNT FOR MESSAGE DIVIDERS OR CHANGE OF BACKGROUND COLOR. PANELS FOR BOTH SIDES OF SIGN SHALL BE INCLUSIVE TO THE LINE ITEM.

SIGN LEGEND NOTES:

SIGN TYPES:

- L = TAXI LOCATION SIGN, BLACK BACKGROUND WITH YELLOW LETTERING AND A YELLOW BORDER.
- D = RUNWAY DISTANCE TO GO SIGN, BLACK BACKGROUND WITH WHITE LETTERING.
- Y = TAXIWAY DIRECTIONAL SIGN, YELLOW BACKGROUND WITH BLACK LETTERING.
- R = MANDATORY HOLD SIGN, RED BACKGROUND WITH WHITE LETTERING OUTLINED IN BLACK.
- I = INFORMATIONAL SIGN WITH YELLOW BACKGROUND WITH BLACK LETTERING

ENGINEER: JAMES W. KAPPES
 JAMES W. KAPPES
 DATE: 2/23/22
 TEL: (861) 210-9824
 FAX:

DATE: 2/23/22
 DESIGNED BY: JMK
 SCALE: AS NOTED
 CHECKED BY: JMK
 ALC
 FIELD BOOK:

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	REVISIONS		DESCRIPTION
	DATE	BY	

PROJECT # P12539
 TAXIWAY G REHABILITATION
 FORT LAUDERDALE EXECUTIVE AIRPORT
 ELECTRICAL DETAILS
 6000 NW 21ST AVE, FORT LAUDERDALE, FL

SHEET NO.
E11
 TOTAL: 38
 CAD FILE: 12539-E11-DET
 DRAWING FILE NO. 4-142-90

QUANTUM
 Electrical Engineering, Inc.
 2755 VISTA PARKWAY SUITE I-9
 WEST PALM BEACH, FL 33411
 561-210-9224
 LICENSE NO. CA30805

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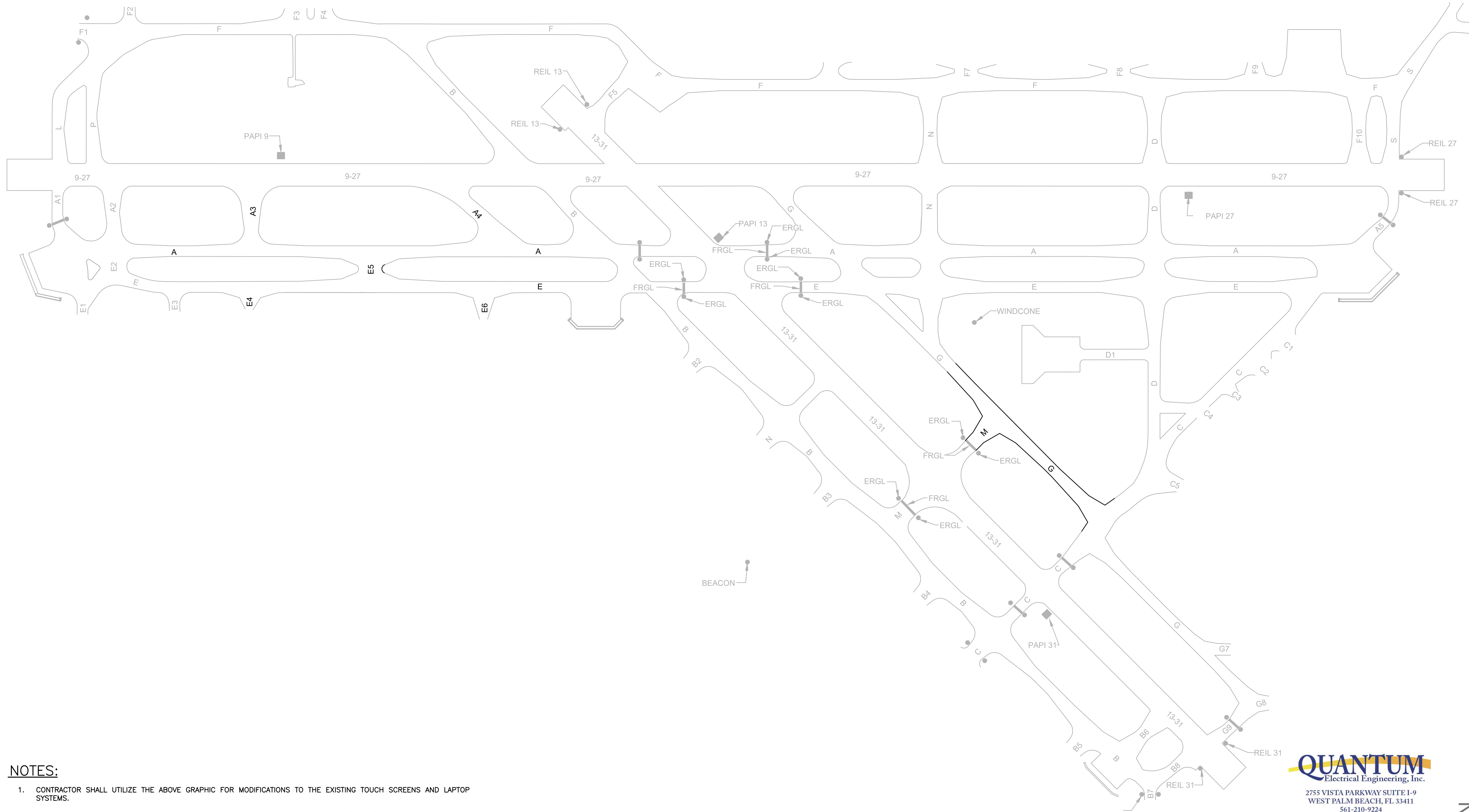
HR

HDR ENGINEERING, INC.
 3250 WEST COMMERCIAL BLVD., SUITE 100
 FORT LAUDERDALE, FLORIDA, 33309
 T: 954.535.1876 F: 954.233.4953
 CA# 4213

100% DESIGN

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NOTES:

1. CONTRACTOR SHALL UTILIZE THE ABOVE GRAPHIC FOR MODIFICATIONS TO THE EXISTING TOUCH SCREENS AND LAPTOP SYSTEMS.
2. THE EXISTING COMPUTERIZED AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM (ALCMS) WAS MANUFACTURED BY ADB SAFEGATE. THE CONTRACTOR SHALL CONTRACT THE MANUFACTURER TO MAKE ALL MODIFICATIONS TO THE HARDWARE, SOFTWARE AND TOUCH SCREEN GRAPHICS FOR THE EXISTING AIRFIELD LIGHTING CONTROL SYSTEM IN THE AIRFIELD VAULT, LAPTOP AND TOWER. ADDITIONS AND CHANGES SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - 2.1. PROGRAMMING
 - 2.2. GRAPHICS UPDATES
3. EQUIPMENT, SOFTWARE, TRAVEL AND EXPENSES, SHIPPING AND TAXES SHALL BE INCLUSIVE TO THE ALLOWANCE ACCOUNT. CONTACT INFORMATION FOR ADB SAFEGATE REPRESENTATIVE: PERRY SUGANUMA - (800)-662-2177. THE EXISTING ALCMS SHALL REMAIN IN OPERATION AT ALL TIMES DURING MODIFICATIONS.

QUANTUM
Electrical Engineering, Inc.
2755 VISTA PARKWAY SUITE 1-9
WEST PALM BEACH, FL 33411
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PROJECT # P12539
TAXIWAY G REHABILITATION
FORT LAUDERDALE EXECUTIVE AIRPORT
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6000 NW 21ST AVE, FORT LAUDERDALE, FL

SHEET NO.	
E12	
TOTAL:	38
CAD FILE:	12539-E12-DET
DRAWING FILE NO.	4-142-90

NO.	REVISIONS		DESCRIPTION
	DATE	BY	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY:	JWK	DATE:	2/23/22
DESIGNED BY:	JWK	SCALE:	AS NOTED
CHECKED BY:	ALC		
FIELD BOOK:			

ENGINEER:

JAMES W. KAPPES
Professional Engineer
DATE: 2/23/2022

TEL: (861) 210-9224
FAX:

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QUESTIONNAIRE SHEET

PLEASE PRINT OR TYPE:

Firm Name:

President

Business Address:

Telephone:

Fax:

E-Mail Address:

What was the last project of this nature which you completed? Include the year, description, and contract value.

The following are named as three corporations and representatives of those corporations for which you have performed work similar to that required by this contract, and which the City may contact as your references (include addresses, telephone numbers and e-mail addresses). Include the project name, year, description, and contract value.

How many years has your organization been in business?

Have you ever failed to complete work awarded to you; if so, where and why?

The name of the qualifying agent for the firm and his position is:

Certificate of Competency Number of Qualifying Agent:

Effective Date: Expiration Date:

Licensed in: Engineering Contractor's License #

(County/State)

Expiration Date:

NOTE: To be considered for award of this contract, the bidder must submit a financial statement upon request.

NOTE: Contractor must have proper licensing and shall provide copy of same with his proposal.

QUESTIONNAIRE SHEET

1. Have you personally inspected the proposed work and have you a complete plan for its performance?

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a)

b)

c)

d)

e)

f)

g)

3. What equipment do you own that is available for the work?

4. What equipment will you purchase for the proposed work?


5. What equipment will you rent for the proposed work?

NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Lauderdale FL officer or in writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

 Text Box: 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more). 3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

Name

Relationships

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

Authorized Signature

Title

Name (Printed)

Date

**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to the City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in [section 2-183](#) of the Code of Ordinances of the City of Fort Lauderdale, Florida.

Authorized Signature

Print Name and Title

Date

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No:

Project Description:

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- (a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name:

Authorized Company Person's Signature:

Authorized Company Person's Title:

Date:

CONSTRUCTION BID CERTIFICATION

Please Note: It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through www.BidSync.com prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the Department of State, in accordance with Florida Statute §607.1501 (visit http://www.dos.state.fl.us/).

Company: (Legal Registration) [text box]

Address: [text box]

City: [text box] State: [text box] Zip: [text box]

Telephone No.: [text box] FAX No.: [text box] Email: [text box]

Check box if your firm qualifies for MBE / SBE / WBE: [checkbox]

If a corporation, state the name of the President, Secretary and Resident Agent. If a partnership, state the names of all partners. If a trade name, state the names of the individuals who do business under the trade name.

Grid for listing names and titles of officers/partners:
Name Title Name Title Name Title Name Title

ADDENDUM ACKNOWLEDGEMENT - Bidder acknowledges that the following addenda have been received and are included in the proposal:

Table with 6 columns: Addendum No., Date Issued, Addendum No., Date Issued, Addendum No., Date Issued. Each cell contains a text box.

VARIANCES: If you take exception or have variances to any term, condition, specification, or requirement in this bid you must specify such variance in the space provided below or reference in the space provided below all variances contained on other pages within your bid. Additional pages may be attached if necessary. No variances will be deemed to be part of the bid submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. You must also click the "Take Exception" button.

[Large empty text box for variances]

The below signatory affirms that he has or will obtain all required permits and licenses from the appropriate agencies, and that his firm is authorized to do business in the State of Florida. The below signatory agrees to furnish all labor, tools, material, equipment and supplies, and to sustain all the expense incurred in doing the work set forth in strict accordance with the bid plans and contract documents at the unit prices indicated if awarded a contract. The below signatory has not divulged to, discussed, or compared this bid with other bidders, and has not colluded with any other bidder or parties to this bid whatsoever. Furthermore, the undersigned guarantees the truth and accuracy of all statements and answers contained in this bid. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a bid, that in no event shall the City's liability for bidder's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

[text box] Name (printed)

[text box] Signature

[text box] Date

[text box] Title

Revised 4/28/2020

Question and Answers for Bid #12741-633 - FXE Airport Runway 31 Bypass AND FXE Taxiway Golf Pavement Rehabilitation

Overall Bid Questions

Question 1

What is this project's estimate? (Submitted: Jan 3, 2023 12:46:54 PM EST)

Answer

- Runway 31 Bypass - ~\$906,100
TW Golf Pavement Rehabilitation - ~\$1,121,200 (Answered: Jan 4, 2023 3:17:41 PM EST)

Question 2

Instructions to Bidders, Page IB-5, Reservation for Award and Rejection of Bids states "The City also reserves the right to award the contract on a split order basis, lump sum basis, individual item basis, or such combination as shall best serve the interest of the City." Is it the City's intent to award this as one complete project, or does the City intend to award the Runway 31 Bypass Taxiway and the Taxiway G Rehabilitation projects separately? (Submitted: Jan 20, 2023 9:17:42 AM EST)

Answer

- Only one (1) award for the complete project is anticipated. (Answered: Jan 30, 2023 10:23:12 AM EST)

Question 3

Will the Runway 31 Bypass Taxiway project and the Taxiway G Rehabilitation project be built concurrently? (Submitted: Jan 20, 2023 9:19:10 AM EST)

Answer

- Yes, both projects to be built concurrently, but will have different construction schedules. (Answered: Jan 31, 2023 1:33:46 PM EST)

Question 4

Specification Section P-152-2.2 Excavation, Paragraph 8 states the excess material from excavations "shall be used to grade the areas of the ultimate development or disposed as directed by the RPR." Will excess material require placement including spreading and compaction or stockpiling? Please provide the location this material will be hauled to. (Submitted: Jan 20, 2023 9:21:05 AM EST)

Answer

- The excess material from excavation shall be stockpiled in the staging area until the Contractor confirms the excess material is not needed for this Project. Once it is confirmed the excess material is not needed for this Project, the material shall be legally disposed off Airport property. (Answered: Feb 1, 2023 10:54:21 AM EST)

Question 5

Plan Sheet G04 – Contractors Staging Area Notes, Note 2 states " Construction equipment shall be parked only within contractor's staging and storage area outside of established hours of construction." Will the contractor be required to transport equipment from the work site to the staging and storage area at the end of each work shift? (Submitted: Jan 20, 2023 9:21:49 AM EST)

Answer

- Yes, the contractor is required to remove all equipment from airfield (other than MOT devices) after each work shift. The equipment will need to be stored within the staging area. (Answered: Jan 31, 2023 1:33:46 PM EST)