



SCOPE OF WORK

FOR

SECURITY BOOTHS REPLACEMENT AT TMT AND BIMT

Project No.: G2021-04

Contract No.: MC-1783ARRR

**TALLEYRAND MARINE TERMINAL
AND
BLOUNT ISLAND MARINE TERMINAL**

Scope of Work

Project work shall be inclusive of yet not limited to all labor, materials, equipment, incidentals, testing and supervision necessary to remove security guard booths, disconnect electrical and network components as needed, modify, replace, and /or reroute existing or install new electrical infrastructure and connections (conduits and cables), modify, replace and / or reroute existing or install new network infrastructure and connections (conduits and cables), modify concrete slab/footings as needed, install IT/Network equipment/devices, install new security guard booths (provided by JAXPORT), re-connect electrical and network components as needed. This project will take place at: Talleyrand Marine Terminal Main Gate (2085 Talleyrand Ave.) and, if Owner’s Option is executed, at Blount Island Marine Terminal Main Gate (9620 Dave Rawls Blvd). The work shall include, but may not be limited to:

- **Base bid**

- Removal, demolition, and disposal of four (4) 6’x10’ guard booths at TMT. Jaxport’s Talleyrand Operations/Facilities will retain one (1) booth.
- Removal, demolition, and disposal of electrical and network infrastructure (conduits, boxes, fitting, cables, equipment) inside and outside of four (4) booths to be removed at TMT. This includes but is not limited to, removal/replacement of conduits and removal of wiring from booths/boxes/equipment to power sources, to existing gate arm operators.
- Labor and materials to install (per all applicable building codes and standards) four (4) 4’x6’ elevated guard booths with stairs, landings and support structure at TMT. Booths will be provided by JAXPORT, and stored at a location inside of the Terminal (TMT). Installation by Contractor will include, but is not limited to, anchorage system, electrical systems, network systems, air conditioning systems.
- Labor and materials to install new electrical and network infrastructure to feed four (4) new booths and existing gate arm operators at TMT. This includes, but it is not limited to, modification of existing conduit runs, extension of existing conduit runs, installation of new conduit runs; installation of new conduit runs; installation of junction boxes to splice new electrical feeders to existing-to-remain feeders; installation of new feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths; re-wiring all network systems from booths to boxes and to IT centralized cabinets. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL Label.
- Labor and materials to modify six (6) existing concrete slabs/footings to accommodate the new booths footprint (Talleyrand only). This includes but it is

not limited to, sawcut, removal, disposal and excavation of asphalt, concrete, and base material; form area for new concrete, install rebar, pour and cure concrete.

- Disconnection and reconnection of electrical and network components as needed.
- Perform Ground, Electrical and Network tests as needed and as required by Jaxport’s IT department.
- All permits, if required by any Authority Having Jurisdiction (AHJ) over the completion of this work are to be filed and obtained by the Contractor.
- Daily site clean-up.
- **Owner’s Option:**
 - JAXPORT will have 60 calendar days from Notice to Proceed to inform the Contractor on the decision of approval of this Owner’s Option.
 - Removal, demolition, and disposal of two 6’x10’ RPM guard booths at TMT (RPM booths) and two 4’x4’ RPM guard booths at BIMT (RPM booths).
 - Labor and materials to install (per all applicable building codes and standards) two 4’x6’ elevated RPM guard booths with stairs, landings and support structure at TMT and two 4’x6’ RPM guard booths at BIMT. Booths will be provided by JAXPORT, and stored at a location inside of the Terminals (TMT and BIMT). Installation by Contractor will include, but is not limited to, anchorage system, electrical systems, network systems, air conditioning systems.
 - Removal, demolition, and disposal of electrical and network infrastructure (conduits, boxes, fitting, cables, equipment) inside and outside of two RPM booths at TMT, and two RPM booths at BIMT. This includes but is not limited to, removal/replacement of conduits and removal of wiring from booths/boxes/equipment to power sources, to existing gate arm operators and to RPM equipment
 - Labor and materials to install new electrical and network infrastructure to feed two new RPM booths, existing gate arm operators and RPM equipment at TMT, and two new RPM booths, existing gate arm operators and RPM equipment at BIMT. This includes, but it is not limited to, modification of existing conduit runs, extension of existing conduit runs, installation of new conduit runs; installation of junction boxes to splice new electrical feeders to existing-to-remain feeders; installation of new feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths; re-wiring all network systems from booths to boxes and to IT centralized cabinets. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL Label.
 - Disconnection and reconnection of electrical and network components as needed.
 - Perform Ground, Electrical and Network tests as needed and as required by Jaxport’s IT department.

- All permits, if required by any Authority Having Jurisdiction (AHJ) over the completion of this work are to be filed and obtained by the Contractor.
- Daily site clean-up.

All labor performed, materials and equipment to be furnished shall be in accordance and compliance with all applicable local, state and federal codes, standards and regulations, including but not limited to the NEC, NEMA, TIA, FDOT, ASTM, COJ, NFPA. The Work shall also be performed in accordance with all Jaxport’s bid/contract documents. The Contractor shall adhere to all notes and technical specifications as written and referenced herein.

General Notes

All Jaxport’s Security requirements apply. TWIC and Jaxport badges are required.

The Contractor is responsible to visit, inspect, evaluate, and assess all areas where works are required prior to bid/quote and prior to construction.

The Contractor shall take due care to protect and prevent damage to any and all JAXPORT and/or tenant adjacent property. The Contractor shall be responsible for any damage caused to existing Owner property caused by his/her Operations. All areas affected by the construction (conduit installation, trenching, drilling, etc.) shall be restored to pre-construction conditions.

Site shall be cleaned-up in a daily basis, and no accumulation of debris and waste material will be allowed.

The Contractor shall call and provide for locate and field verify all utility locations prior to execution of work. It is the responsibility of the Contractor to confirm all utilities in the field.

The Contractor shall coordinate with JPA for access to main electrical panels in order to disconnect power.

All waste and debris generated from this job shall be removed from JPA Property by the Contractor. This includes, but is not limited to: removed security guard booths, removed electrical/network conduits, cables, equipment, etc., material resulting from excavations. Jaxport’s Talleyrand Facilities will retain one (1) removed booth.

Compliance with all applicable safety requirements shall be the responsibility of the Contractor. All works will take place adjacent to active operations areas and traffic areas. The Contractor shall prepare and implement a Safety Plan accordingly. The Contractor will be required to submit a Safety Plan. Strict coordination with Jaxport’s TMT Operations is needed in terms of Contractor’s schedule (days and hours to work).

Should necessity arise, sites are to be left in an operational condition that will not impede or cause damage to Owner and/or Tenant operations. Daily and final clean-up will be strictly adhered to and monitored, as these facilities will remain in full operation.

This project shall be planned/phased per Lane/Booth. The Contractor will be allowed to work at only one booth at a time, per Terminal. All works (from demolition to installation) at one booth shall be completed (new booth left functional) before starting to work on the next booth/lane. If the Contractor proposes to work overnight with the intention to complete more than one booth at a time, written request shall be submitted, and written authorization shall be issued by Jaxport.

MOT / Work Plan

Construction / Installation works for this project will take place adjacent to traffic areas and active port operations areas. Strict coordination is required between the Contractor and the JPA (Operations, IT, Public Safety, Engineering). The Contractor shall prepare a MOT / Work plan showing: approximate footprint of the construction/installation areas the Contractor plan to use per location, type and quantity of equipment and personnel, work/location sequence, estimated time per location, and control devices (if needed) to identify the work areas and allow no interruption to traffic and operations.

Work hours:

Approved hours for project work are 24/7. Strict coordination is needed during the execution of the project, to ensure minimal impact to traffic and operations. If overnight and weekend work will take place, the Contractor shall familiarize and work in compliance with all applicable local, state, and federal noise restriction ordinances.

Project duration / completion date requirements:

The duration of project shall be 120 calendar days, from issuance of an official Notice to Proceed (NTP) from JPA.

Substantial Completion and Punch List:

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

Warranty:

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

Insurance and Bonds

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

Federal Requirements/Regulations: The Contractor shall meet all applicable Federal Regulations and Secretary of Labor Requirements, **including the Davis Bacon Act**. See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

General/Technical Specifications (See also: Jaxport’s Public Safety’s presentation)

I. General:

a. References

- i. Jaxport’s Scope of Work, Drawings, and Specifications, Florida Building Code, NEC, ANSI, NEMA, TIA, FDOT, NFPA, the JPA, the COJ, the ASTM, the ACI, OSHA, UL, Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements.

b. Summary

- i. Jaxport has identified the need to replace six (6) security guard booths at TMT Main Gate, and two (2) security guard booths at BIMT Main Gate. This project will include, but is not limited to, replace (remove and install) booths, electrical/network infrastructure. At TMT Main Gate, the existing concrete slabs/footings need to be modified/extended to accommodate the extra length required for stairs and landings.

c. Field conditions

- i. The Contractor shall verify and confirm field conditions prior to commencement of work.

d. Coordination

- i. All coordination and communication shall be made primarily through the Jaxport’s Project Manager.

e. Submittals (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings)

i. Administrative Submittals

a) Project Schedule & Work Plan

- i. Description of how work will be performed at both locations. Description shall include the closure of lanes, how equipment and conduits will be removed and protected and similarly how re-connected.
- ii. Description of how IT equipment will be tested after reconnecting (if applicable).
- iii. Submit qualifications of personnel that will be performing the disconnection, reconnection and testing of equipment.

b) MOT Plan

- c) Safety Plan
- ii. Technical Submittals
 - a) Electrical and network materials: conduits, cables, boxes, fittings
 - b) IT Equipment/devices (if applicable and if different to what is specified in JPA’s documents)
 - c) Concrete Mix
 - d) Rebar
- iii. Post-installation Submittals
 - a) O & M Manuals for all equipment and devices installed (if applicable)
 - b) Ground tests results
 - c) Electrical test results
 - d) Fiber Optic (OTDR) tests results (if applicable)
 - e) As-built drawings
 - f) General Warranty and installed products/equipment warranties (if applicable)

II. Materials / Products / Execution

a. General

- i. All materials, equipment and devices furnished and installed, and all labor shall be following JPA’s contract documents and all applicable codes, standards, and regulations, including but not limited to Florida Building Code, NEC, NEMA, TIA, FDOT, the JPA, the COJ, the ASTM, the ACI, OSHA.
- ii. The Contractor shall include all means and methods necessary to facilitate construction/installation.
- iii. The Contractor shall be responsible to prepare and implement their own Safety Plan.
- iv. The Contractor shall perform all ground tests as specified in the JPA’s contract documents. The Contractor shall submit all ground tests results to the Jaxport’s Project Manager.

b. Materials / Equipment / Devices

- i. All material/equipment/device proposed by the Contractor shall be per approved submittal.
- ii. **IT Equipment** (See also: Jaxport’s Public Safety’s presentation)
 - a) TMT Central Cabinet
 - i. (1) Panduit 24 Port Cat6 Patch Panel, 1U (NK6PPG24Y)
 - ii. (1) Ditek 24 Port Rack Mounted Surge Suppression (DTK-RM24NETS)
 - b) Security Booths

- i. For each booth requiring network connectivity pull (4) new CAT-6 unshielded cables terminated inside a wall junction box with a (4) port keystone faceplate.
- ii. Junction box and cable faceplate shall be mounted underneath the counter top inside the new security booth.
- iii. Furnish and install one (1) 4-Port Keystone faceplate, keystones, and mounting junction box.

iii. Asphalt/concrete removal, demolition, and excavation

- a) The Contractor shall sawcut asphalt prior to removal/demolition
- b) All excavated material, debris and waste resulting from this job shall be properly and legally hauled off the terminal in a daily basis.
- c) The contractor shall remove the existing asphalt (and base material if needed) to a minimum depth of 8 inches, to accommodate the new concrete slab/footing (extension to existing footing).
- d) The Contractor shall prevent surface water from entering the excavation.
- e) All excavated areas shall be proof rolled.
- f) If soft soil pockets and unsuitable materials are encountered during excavation, and / or areas yield under the proof rolling, the Contractor shall immediately notify the JPA Project Manager, and shall not proceed with rebar/concrete placement. The unsuitable materials should be removed and replaced with compacted structural fill. The base elevation may be re-established by backfilling, with lean concrete, or with a well-compacted, suitable fill such as limerock, clean sand, gravel, or crushed stone (#57).
- g) All material needed to backfill, including material to substitute removed soft soil, shall comply with the latest FDOT and ASTM standards.
- h) The Contractor shall furnish and install a vapor barrier as specified in the project drawings

iv. Security Booths: (JAXPORT will provide Booths).

- a) The Contractor shall install and anchor the new booths, stairs, landings, equipment, devices, fixtures, etc. following the manufacturer’s instructions and recommendations.
- b) Install prefabricated buildings on flat and level concrete pad in accordance with the manufacturer's recommendations and placement drawings. Position units over utility stub-ups, verify building is level and anchored. Do not install prefabricated booths over concrete slabs until concrete has cured and is sufficiently dry to bond with adhesive.

- c) Connect power and data and seal around edges where the floor base meets the concrete pad.
- d) Installation of New Security Booths shall be following all applicable building codes.
- e) Components shall be installed in accordance with equipment manufacturer's written instructions, in compliance with NFPA 70, "National Electrical Code (NEC)," and ANSI C2, "National Electrical Safety Code," and with recognized industry practices, to ensure that the final product meets all requirements stated herein and serves its intended purposes.
- f) Surface-mounted equipment shall be securely fastened. The Contractor shall ensure that this equipment is plumb and level.
- g) Connectors and terminals, including screws and bolts, shall be tightened in accordance with equipment manufacturer's published torque tightening values. Where manufacturer's torquing requirements are not indicated, tighten connectors and terminals to comply with the tightening torques specified in UL 486A/13, "Wire Connectors and Soldering Lugs for Use with Copper/Aluminum Conductors," and the NEC.
- h) **Booths will be provided by JAXPORT. The following information provided herein is with the purpose of making the Contractor familiar with the booths, products, devices, fixtures, and physical/electrical/mechanical characteristics of the products the Contractor will be installing. Booths technical information provided herein is general, typical, and it may vary.**
 - i. All Security Booths shall be equal or similar to Porta-King Model 7648SW, with dimensions, layout, features, equipment, devices, fixtures as indicated below and specified and shown in project documents and drawings:
 1. 90” minimum interior height
 2. Stainless steel counter top (interior)
 3. Room overhead interior above the desk area to install air handler for 12,000 BTU ductless mini-split heat pump
 4. Full pane glass inserts on front of booth
 5. Transaction windows should be 42” W by 46” T on both sides of the booth
 6. Exterior window sill height to be 38” (inside sill height 34” from finish floor)

7. Door shall swing outward over landing pad of stairs (TMT), and over concrete slab/pad (BIMT)
8. Doors shall include ADA lever lockset and ADA hydraulic door closer. All booth door locks shall be keyed the same. A total of 12 keys shall be provided for booths.
9. Heavy Duty push buttons to control gate arm operators, pre-labeled “Up” for gate-arm up, and “Down” for gate-arm down.
10. Minimum electrical requirements as follows:
 - a. Single phase, 100-amp capacity load center with main breaker, pre-wired conduits, with capacity for at least one (1) 230 V circuit, and four (4) 115 V circuit, and two (2) spare circuits.
 - b. Furnish a minimum of three (3) 115 V duplex outlets, and one (1) 230 V single outlet.
 - c. Lighting fixture should be able to receive LED bulbs, or have LED lights installed by the manufacturer
- ii. **TMT Main Gate** - Booths (provided by JAXPORT) shall be **4’ x 6’, elevated** (see drawings); the Booth’s manufacturer shall include the stairs, landing platforms, legs, and all support structure to install the Booths at the elevation specified in the project documents.
- iii. **BIMT Main Gate** - Booths (provided by JAXPORT) shall be **4’ x 6’, not elevated**
- v. **Reinforced concrete** (for booths’ footings modification / expansion at TMT Main Gate):
 - a) All materials for concrete (including aggregates) shall be according to approved mix designs, and in compliance with all applicable codes, standards and regulations, including but not limited to ACI, ASTM, FDOT. The Contractor shall submit for review and approval all concrete mix designs to be used in the project. All concrete work shall conform to the requirements of the latest edition of the ACI 318 and ACI 301.

- b) Concrete shall be Portland Cement Concrete, with a minimum compressive strength of 3,000 PSI. High Early Strength concrete can be used to minimize project impact to Jaxport and /or Tenant operations.
 - c) The minimum reinforcing cover shall be 3 inches (see drawings).
 - d) Steel reinforcement (rebar) for concrete shall be deformed bars (see drawings), per ASTM A615 GR. 60.
 - e) The thickness of the concrete footing shall be 8 inches (see drawings).
 - f) The Contractor shall provide and implement an acceptable method for curing the new concrete to avoid shrinkage and cracks, per applicable standards and industry best practices.
- vi. **Conduits** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings):
- a) General:
 - i. All new conduit shall be rigid aluminum and be 2” reduced to no smaller than ¾” or fitted to tie into existing conduit as needed. Final conduit sizes must be approved by JAXPORT I.T., Engineering, or Physical security.
 - ii. All new conduit shall be installed above ground in the overhead canopy area
 - iii. Seal all conduit connections to prevent water intrusion
 - iv. Contractor shall install, as required by the project, minimum new ¾” rigid aluminum conduit from each new security booth to nearest overhead junction box that have an existing path back to the centralized network cabinet.
 - v. Contractor shall leave (1) spare pull string after all cable is pulled in all new conduit runs.
 - vi. Contractor shall seal all new conduit penetrations into overhead junction boxes and penetrations into new security booths.
 - b) Power/Electrical: existing underground electrical conduit shall be utilized, and extended with, and / or in addition to, new conduit, fittings, junction boxes, etc. as needed to make connections to new booths.
 - c) Network: Existing underground networking conduit to each booth shall be demoed flush with finish grade, abandoned, and capped or sealed. New conduit (and fittings) from new booths to existing overhead junction boxes shall be furnished and installed to make connections to new booths.

vii. **Cables** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings):

a) Power/Electrical

- i. The Contractor shall reuse existing electrical feeders / wiring. New feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths shall be installed. Junction boxes shall be installed to splice new electrical feeders to existing-to-remain feeders. This includes wiring for all equipment, components, including gate arm operators. This shall also include wiring for CBP RPM equipment if Owner’s Option is approved.
- ii. The Contractor shall be responsible to size the cables in compliance with the NEC.

b) Network (per IT’s Requirements/Specifications):

- i. All existing Cat. 6 cabling between the guard booths and the stainless-steel CCTV enclosure in lane 4 shall be removed from the booth and abandoned.
- ii. The Contractor shall install new cables (per specifications) from new booths to existing overhead junction boxes and existing network centralized cabinet.
- iii. Fiber Optic (if applicable): single mode, stranded loose-tube, with water blocking element, 6 strands, and / or as specified in the JPA’s contract documents.
- iv. All cabling shall be properly rated for the environment in which it is being installed.
- v. All data/communications cable runs shall be labeled in accordance with Telecommunications Industry Association (TIA) 606-C labeling guidelines
- vi. Contractor shall leave (1) spare pull string in all conduit runs after all cable is pulled
- vii. Contractor shall utilize standard unshielded Cat. 6 ethernet cabling for all cabling runs.
- viii. Contractor shall ensure that all new equipment mounted inside cabinet enclosures are properly grounded to the cabinets grounding bar.

- ix. Contractor shall, as required, re-terminate existing to remain fiber or Cat. 6 connections that are accidentally damaged in the course of this project.
- x. If Owner’s Option is approved by Owner, the Contractor is responsible to communicate and receive authorization from JAXPORT and CBP prior to removal/demolition of RPM booths, and removal/installations of all cabling, equipment, and infrastructure that support booths with a CBP RPM’s: TMT lanes 5 & 6 booths, and BIMT lanes 7 & 8 booths.
- xi. Crowley’s Security Booth – Lane 4 (Existing booth to remain)
 - 1. Contractor shall not remove conduit, cabling, or equipment associated with Crowley’s security booth.
 - 2. Crowley has existing 1” rigid aluminum conduit which runs between the Crowley security booth and the lane 5 booth. Crowley shall be responsible for re-working existing conduit and cabling to support their security booth.
 - 3. No JAXPORT network cabling exists between the lane 5 booth and the Crowley security booth.

viii. **Asphalt** (if applicable):

- a) SP12.5 mix
- b) If asphalt repair works are specified or needed, all materials and labor shall comply with the latest edition of the FDOT Standards, Sections 327, 300, 330, 334, 916 and 911.
- c) Provide, place and compact asphalt to match existing thickness and elevations, following the latest FDOT Standards

III. Testing

- a. After all Work is completed, and prior to requesting the Acceptance test, Contractor shall conduct a final inspection, and test all equipment and system features. Contractor shall correct any deficiencies discovered as the result of the inspection and pre-test. Check all test results against the base line done at the start of the project. If any cables are not the same or above the baseline test, re-terminate and test again until corrected.
- b. Once all equipment has been reinstalled, it shall be retested against the original system verification that was done at the beginning of the project. This will be done with JPA

- and the contractor present to verify that all components are working as test at the beginning of the project.
- c. The Contractor shall submit a request for the Acceptance test in writing to the JPA Project Manager, no less than fourteen days prior to the requested test date. The request for Acceptance test shall be accompanied by a certification from Contractor that all Work is complete and has been pre-tested, and that all corrections have been made.
 - d. During Acceptance test, Contractor shall demonstrate all equipment and system features to JPA. Contractor shall remove covers, open wiring connections, operate equipment, and perform other reasonable work as requested by JPA.
 - e. Any portions of the Work found to be deficient or not in compliance with the Project Drawing and Specifications will be rejected. JPA Project Manager will prepare a list of any such deficiencies observed during the Acceptance test. Contractor shall promptly correct all deficiencies. Upon correction of deficiencies, Contractor shall submit a request in writing to JPA Project Manager for another Acceptance Test.
 - f. If, at the conclusion of the Acceptance Test, all Work is found to be acceptable and in compliance with the Project Drawings and Specifications, JPA Project Manager will issue a letter of Acceptance to Contractor and JPA.

IV. Personnel employed by the Contractor

- a. Contractor shall employ a competent Foreman/Superintendent to be in responsible charge of the Work. Foreman shall be on the project site daily during the execution of the Work.
- b. Contractor's Foreman/Superintendent shall be a regular employee, principle, or officer of Contractor, who is thoroughly experienced in projects of a similar size and type. Contractor shall not use contract employees or Subcontractors as Foremen.
- c. Journeyman Wireman electrical workers may be used to install conduit, raceways, wiring, and the like, provided that final termination, hook-up, programming, and testing is performed by a qualified electronic technician, and that all such Work is supervised by the Contractor's Foreman.

JAXPORT Blount Island & Talleyrand Security Booth Enhancement

Supplemental – 3 – I.J. 2

PSGP Rd-20

Talleyrand Marine Terminal



Jacksonville



Talleyrand Marine Terminal

Talleyrand Marine Terminal



Main Gate

Google earth

© 2016 Google

30°21'05.64" N 81°37'24.02" W elev 11 ft eye alt 6075 ft

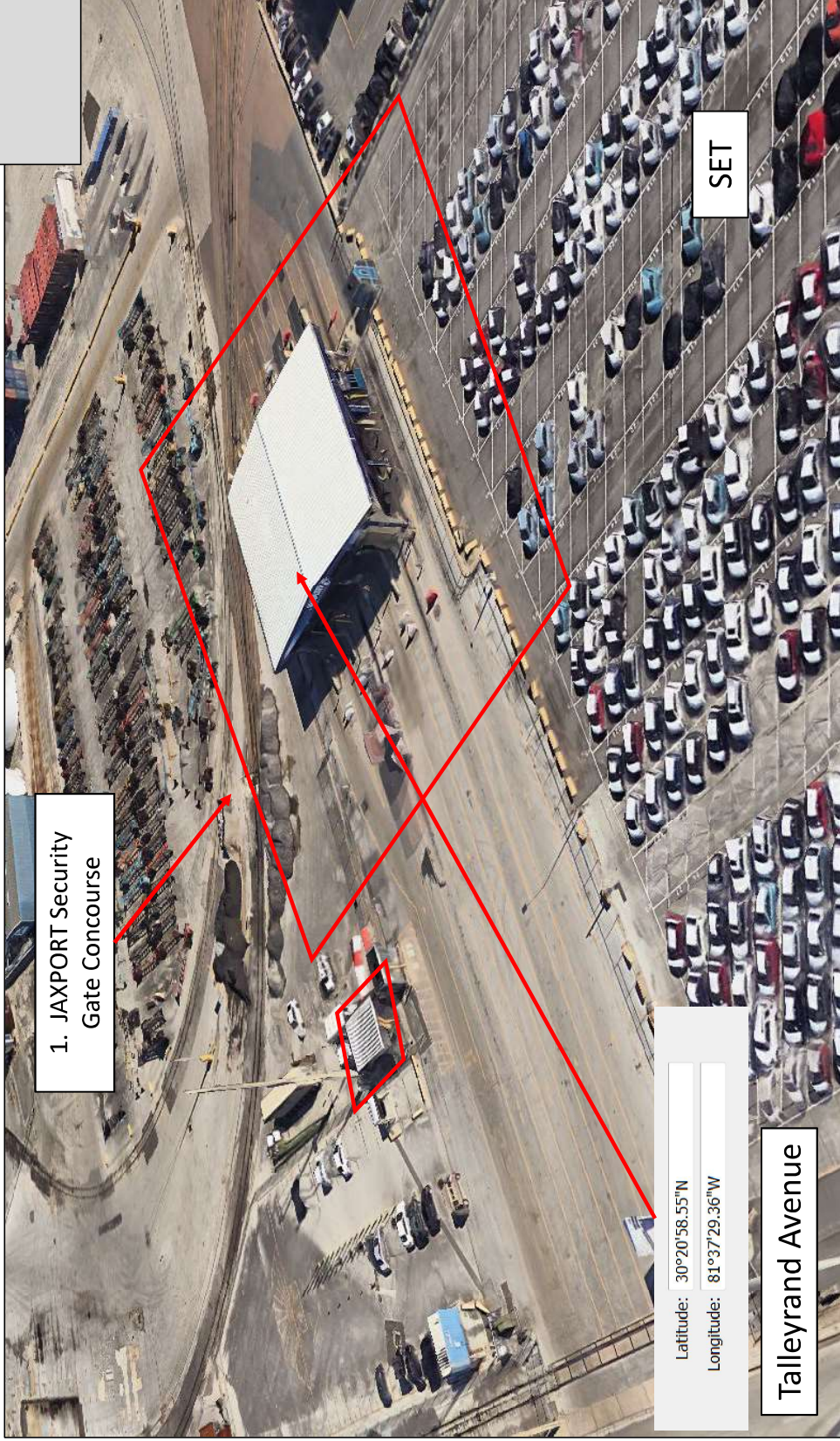
1994

Tour Guide

Talleyrand Main Gate Overview

Areas:

1. Main Gate Lanes & Canopy



1. JAXPORT Security Gate Concourse

SET

Latitude: 30°20'58.55"N
Longitude: 81°37'29.36"W

Talleyrand Avenue

Talleyrand Main Gate City of Jacksonville Information

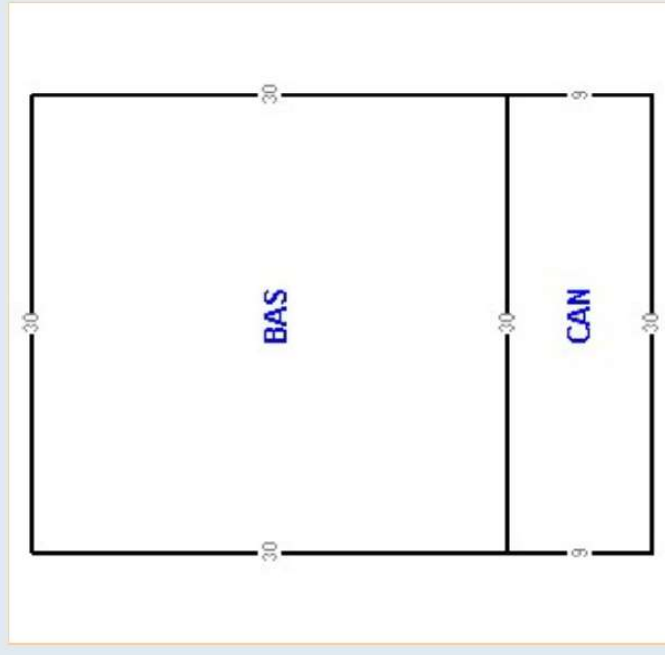
Building 1 Site Address
2701 TALLEYRAND AVE Unit
Jacksonville FL 32206

Building Type	4808 - UTILITY BLDG
Year Built	1998
Building Value	\$3,955.00

Type	Gross Area	Heated Area	Effective Area
Base Area	900	900	900
Canopy	270	0	108
Total	1170	900	1008

Element	Code	Detail
Exterior Wall	25	25 Modular Metal
Roof Struct	9	9 Rigid Fr/Bar J
Roofing Cover	12	12 Modular Metal
Interior Wall	7	7 None
Int Flooring	3	3 Concrete Fin
Heating Fuel	1	1 None
Heating Type	1	1 None
Air Cond	1	1 None
Comm Htg & AC	0	0 None
Comm Frame	5	5 S-Steel

Element	Code
Baths	0.000
Stories	1.000
Rooms / Units	1.000
Avg Story Height	20.000
Restrooms	0.000



TMT MG Basic Project Scope

- 6 - Older 6' X 10' Security booths outlined in the following diagram will be removed.
- New **elevated** 4' X 6' security booths (provided by JAXPORT) will be installed in accordance with local building codes.
- This project may require existing concrete slabs to be extended to compensate for the extra length required for stairs to be properly secured
 - Concrete slabs extensions (if needed) shall be in accordance with local building codes. Lengths, Widths and depths will be determined by the installer.
 - **NO OTHER GROUND DISTURBANCE WILL TAKE PLACE IN THIS PROJECT**
- Existing conduit shall be utilized in addition to new conduit and fittings as needed to make connections to new booths, re-routing to centralized network cabinet and electrical supply for power.
- If needed; All new conduit will be installed above ground in the overhead canopy area
- All new conduit will be rigid aluminum and be 2" reduced to no smaller than $\frac{3}{4}$ " or fitted to tie into existing conduit as needed.
- **Note all conduit sizes must be approved by JAXPORT I.T. Engineering or Physical security.**

JAXPORT I.T. General Requirements

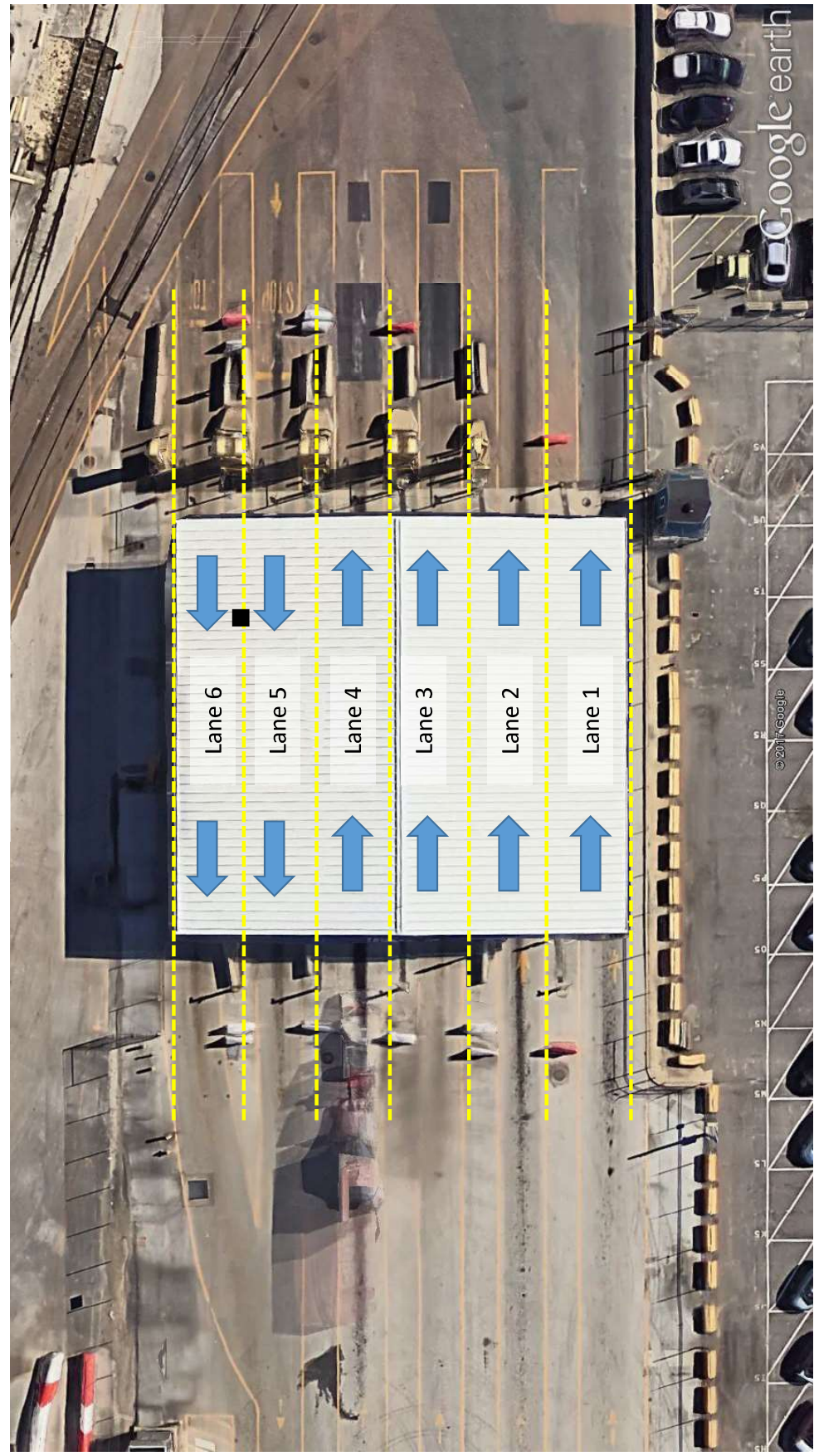
- Contractor shall utilize standard unshielded cat6 ethernet cabling for all cabling runs.
- All cable runs shall be labeled in accordance with Telecommunications Industry Association (TIA) 606-C labeling guidelines.
- Contractor shall ensure that all new equipment mounted inside cabinet enclosures are properly grounded to the cabinets grounding bar.
- Contractor shall, as required, re-terminate existing to remain fiber or cat6 connections that are accidentally damaged in the course of this project.
- All conduit shall meet the following requirements
 - Contractor shall install, as required by the project, minimum new ¾" rigid aluminum conduit from each new security booth to nearest overhead junction box that have an existing path back to the centralized network cabinet.
 - Contractor shall leave (1) spare pull string after all cable is pulled in all new conduit runs.
 - Contractor shall seal all new conduit penetrations into overhead junction boxes and penetrations into new security booths.
- JAXPORT will configure all IP addressable devices prior to equipment installation.
- Existing Cabling Removal
 - All existing cat6 cabling between the guard booths and the stainless steel CCTV enclosure in lane 4 shall be removed from the booth and abandoned.
 - Existing underground networking conduit to each booth shall be demoed flush with finish grade and capped or sealed.
 - Contractor is responsible to communicate and receive authorization from JAXPORT and CBP prior to all cabling, equipment, and infrastructure removal/installations that support booths with a CBP RPMs.
 - BIMT lanes 7 & 8 booths
 - TMT lanes 5 & 6 booths
 - Crowley's Security Booth – Lane 4
 - Contractor shall not remove conduit, cabling, or equipment associated with Crowley's security booth.
 - Crowley has existing 1" rigid aluminum conduit which runs between the Crowley security booth and the lane 5 booth. Crowley shall be responsible for re-working existing conduit and cabling to support their security booth.
 - No JAXPORT network cabling exists between the lane 5 booth and the Crowley security booth.
- **New Equipment & Installation Notes**
- TMT Central Cabinet
 - (1) Panduit 24 Port Cat6 Patch Panel, 1U (NK6PPG24Y)
 - (1) Ditek 24 Port Rack Mounted Surge Suppression (DTK-RM24NETS)
- Security Booths
 - Install Notes:
 - For each booth requiring network connectivity pull (4) new cat6 unshielded cables terminated inside a wall junction box with a (4) port keystone faceplate.
 - Junction box and cable faceplate shall be mounted underneath the counter top inside the new security booth.
 - Equipment
 - (1) 4-Port Keystone faceplate, keystones, and mounting junction box.

JAXPORT Security Gate Complex Lanes

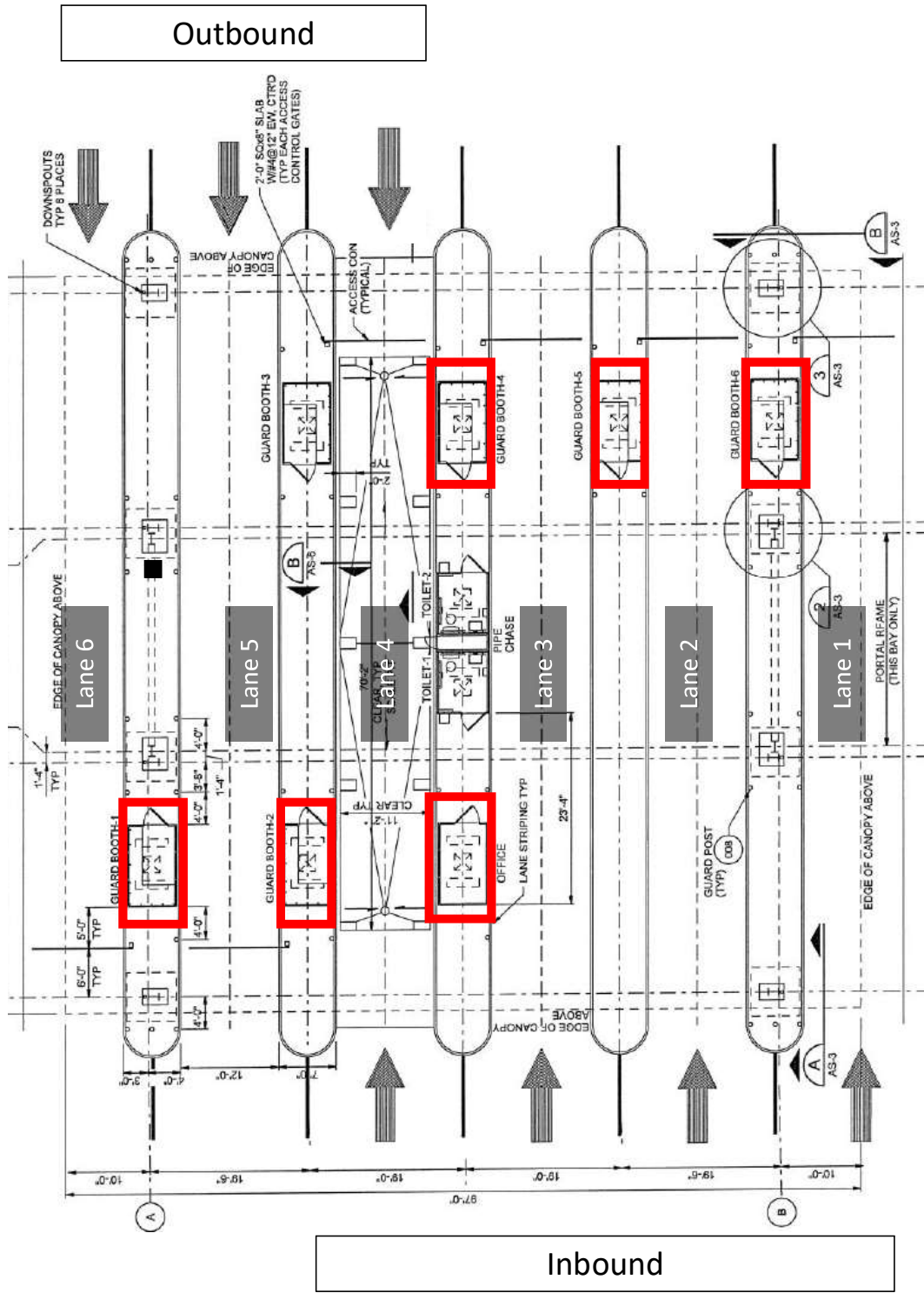
LEGEND



Network Cabinet



TMT MG Current Security Booth Locations



TMT MAIN GATE CONCOURSE GROUND OVERVIEW

WEST SIDE OF MAIN GATE CONCOURSE



EAST SIDE OF MAIN GATE CONCOURSE



TMT Main Gate New Booth Requirements

Refer to JAXPORT Engineering's SOW for additional requirements. Booths will be provided by JAXPORT. Technical information included herein is for information purposes.

- Prefabricated Portable metal control booths
- 90" interior height
- Should have stainless steel counter top interior at front of booth
- Room over head interior above the desk area to install air handler for 12,000 BTU ductless mini-split heat pump
- Full pane glass insert on front of booth
- Transaction windows should be 42"W by 46"T on both sides of the booth
- Exterior window sill height to be 38" (inside sill height 34" from finished floor).
- Door shall swing outward over metal landing pad
- Doors shall include ADA lever lockset and ADA hydraulic door closer.
 - All booth door locks shall be keyed the same
 - Total of 12 keys shall be provided for booths
- Electrical service to include single phase, 100 amp capacity, load center with main breaker, pre-wired in conduit, with one 230v circuit and four 115v circuit capacity – provide two spare circuits. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL label.
- Furnish three 115v duplex outlet, and one 230v single outlet.
- Lighting fixture should be able to receive LED bulbs or have LED lights installed by manufacturer
- Heavy Duty push buttons to control gate arm operators
 - Buttons shall be pre-labeled "Up" for gate-arm up & "Down" for gate-arm down

TMT New Booth Example Photos

Note: Not exact example, See scope for requirements

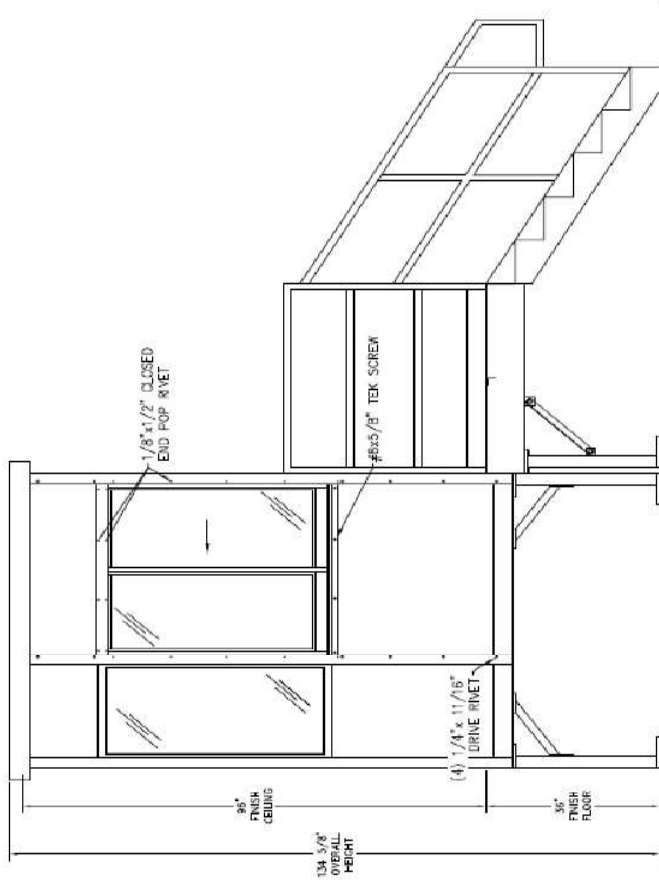


LANE 1 BOOTH

Existing Booth



New Booth Layout Example



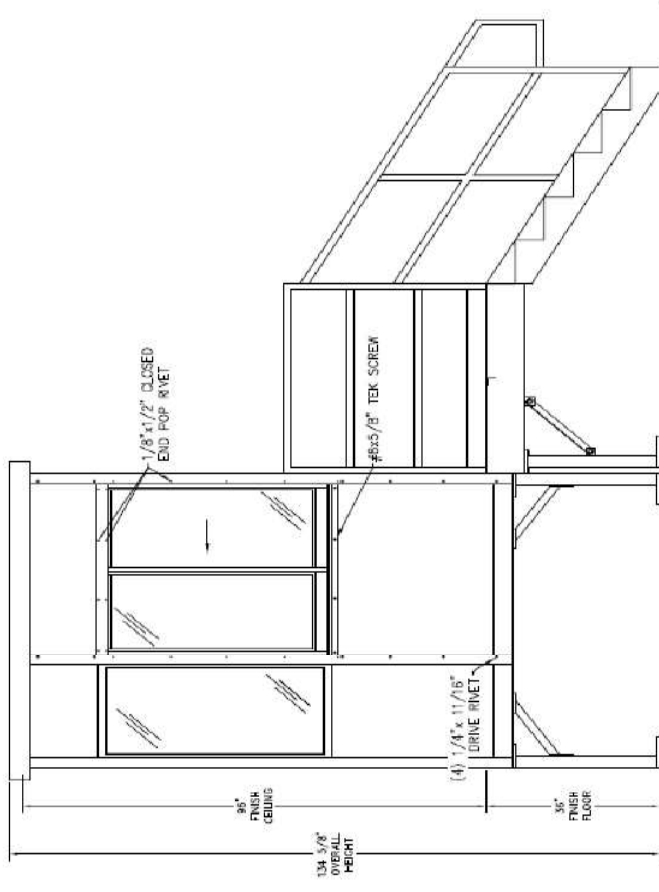
NEW LAYOUT

LANE 2 BOOTH

Existing Booth



New Booth Layout Example



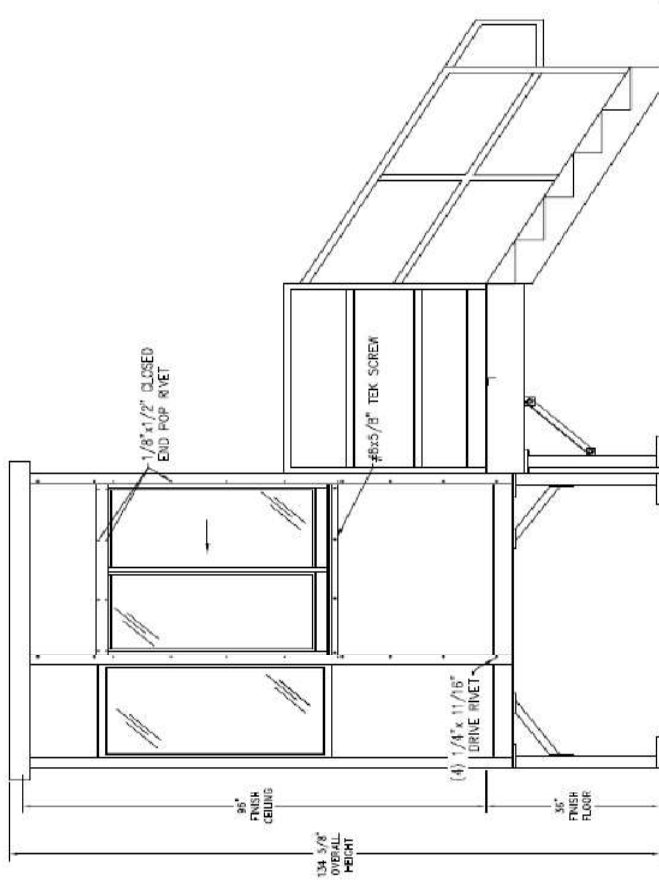
NEW LAYOUT

LANE 3 BOOTH

Existing Booth



New Booth Layout Example



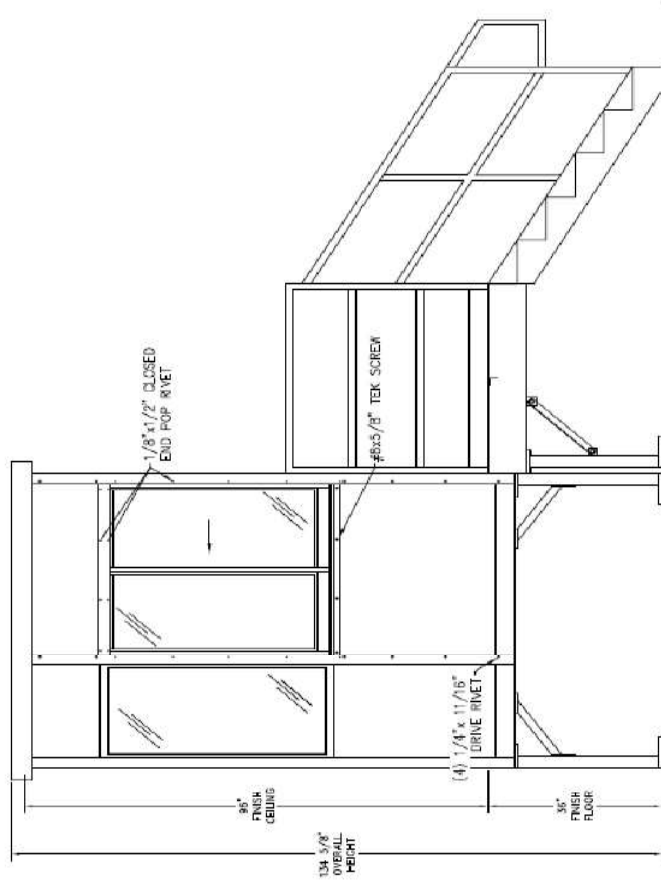
NEW LAYOUT

LANE 4 BOOTH

Existing Booth



New Booth Layout Example



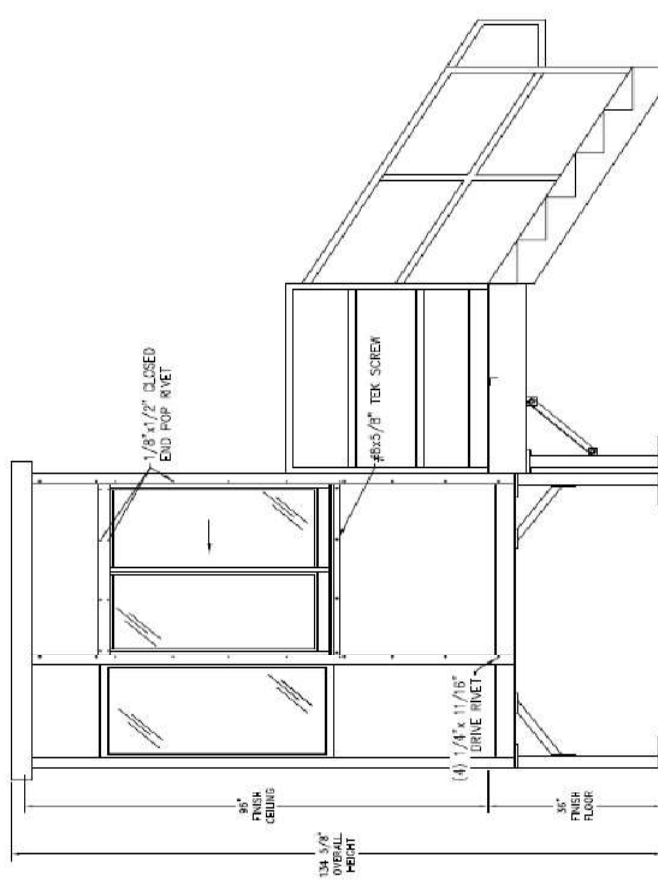
NEW LAYOUT

LANE 5 BOOTH

Existing Booth



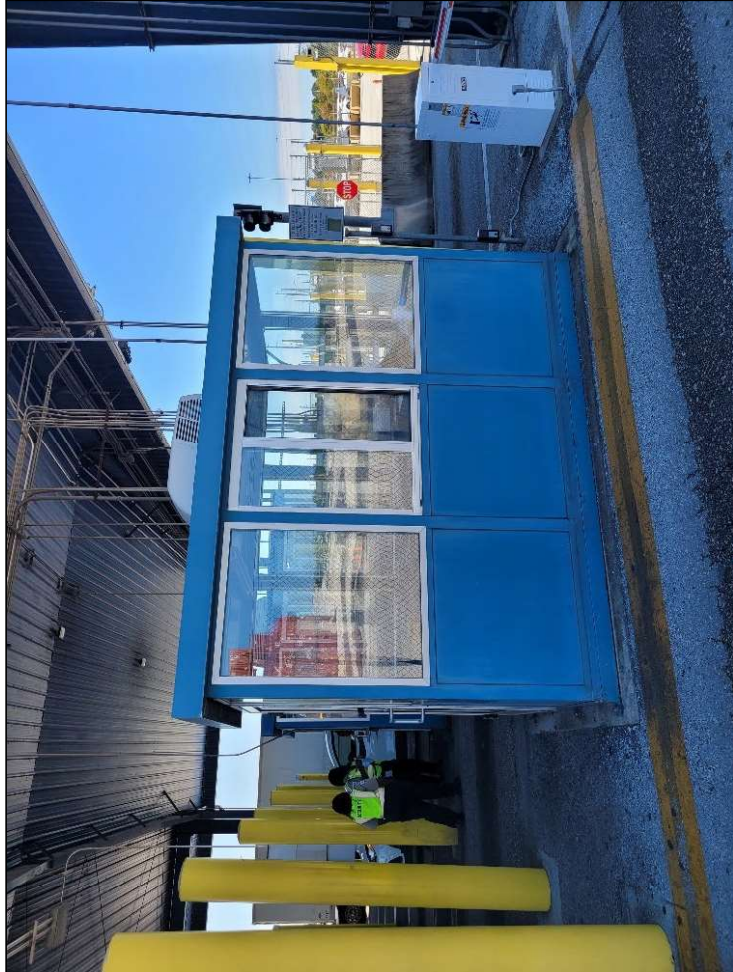
New Booth Layout Example



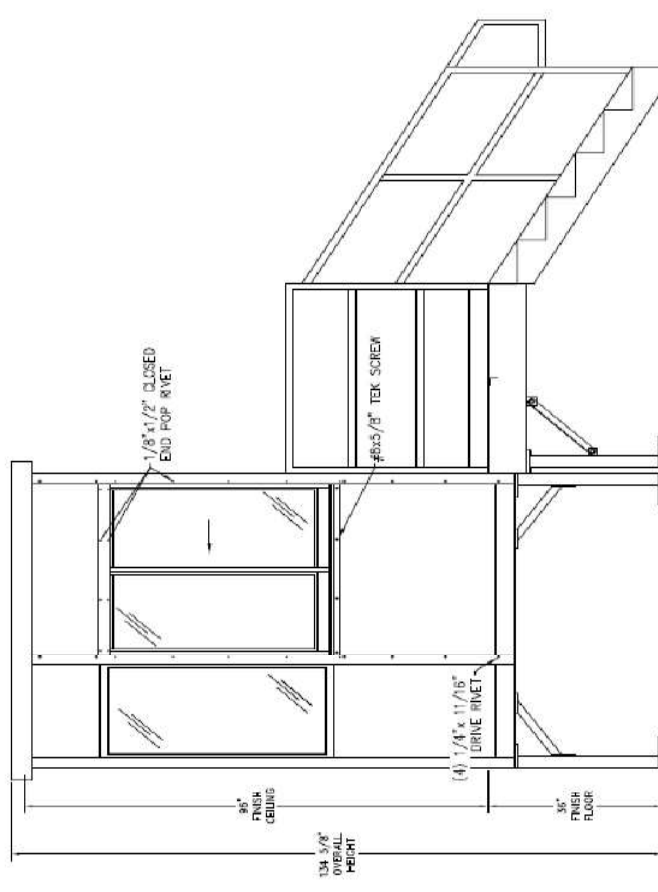
NEW LAYOUT

LANE 6 BOOTH

Existing Booth



New Booth Layout Example



NEW LAYOUT

Blount Island Marine Terminal



Jacksonville

Blount Island

Blount Island

- Areas:
1. Main Gate Lanes & Canopy
 1. Lanes 1 thru 8
 2. Access Control Building
 1. 1st Floor
 2. 2nd Floor
 3. POV Lanes
 1. POV-1
 2. POV-2



1. Main Gate Lanes & Canopy

2. Access Control Building

3. POV Lanes

Building & Canopy Information

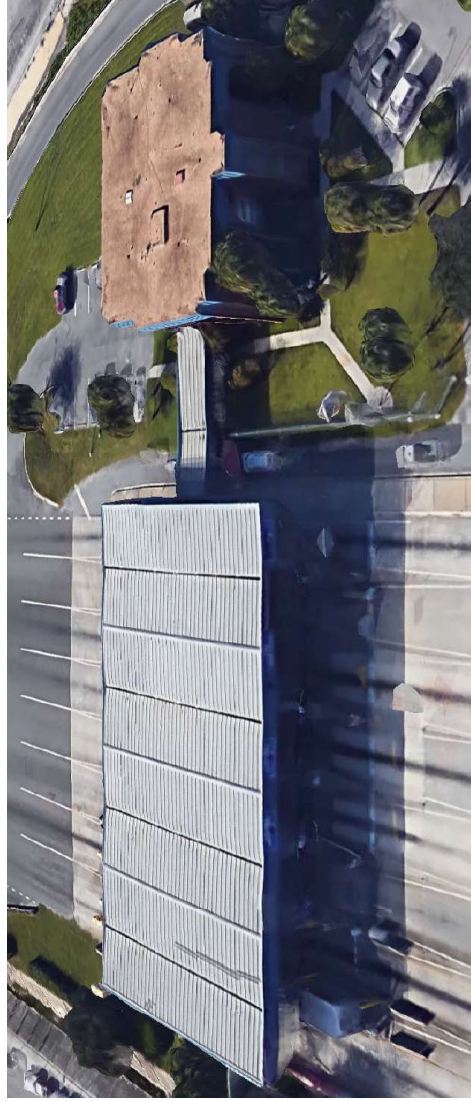
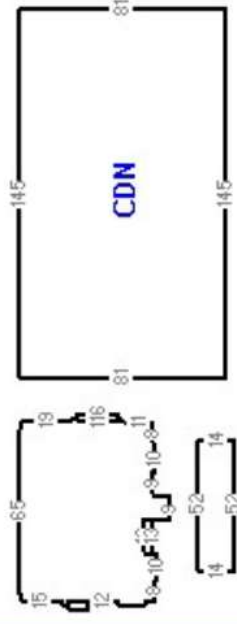
Building 1 Site Address
9620 DAVE RAWLS BLVD Unit
Jacksonville FL 32226

Building Type	1701 - OFFICE 1-2 STY
Year Built	1992
Building Value	\$649,247.00

Type	Gross Area	Heated Area	Effective Area
Canopy Detached	11745	0	3524
Canopy Detached	728	0	218
Base Area	3762	3762	3762
Finished upper story	3762	3762	3762
	1		
Canopy 24	0	0	6
Canopy 39	0	0	10
Canopy 48	0	0	12
Total	20108	7524	11294

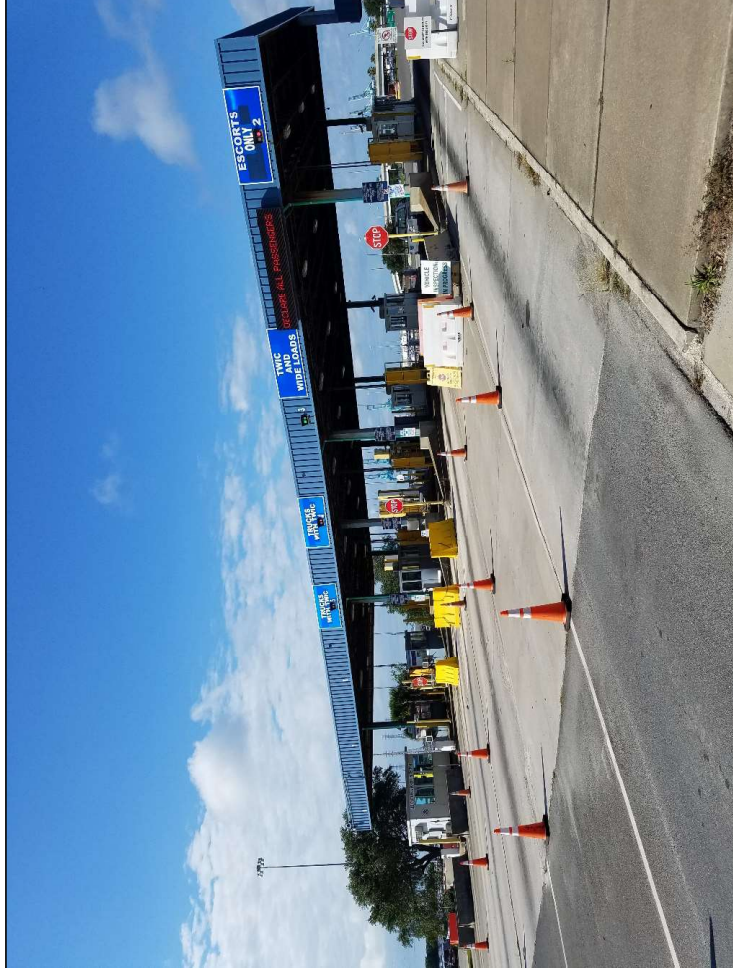
Element	Code	Detail
Exterior Wall	20	20 Face Brick
Roof Struct	9	9 Rigid Fr/Bar J
Roofing Cover	4	4 Built-Up/T&G
Interior Wall	5	5 Drywall
Int Flooring	14	14 Carpet
Heating Fuel	4	4 Electric
Heating Type	4	4 Forcad-Ducted
Air Cond	3	3 Central
Ceiling Wall Finish	5	5 S Cell Wall Fin
Comm Htg & AC	1	1 Not Zoned
Comm Frame	4	4 D-Wood Frame

Element	Code
Stories	2,000
Baths	16,000
Rooms / Units	22,000
Avg Story Height	11,000



BIMT Main Gate Over View

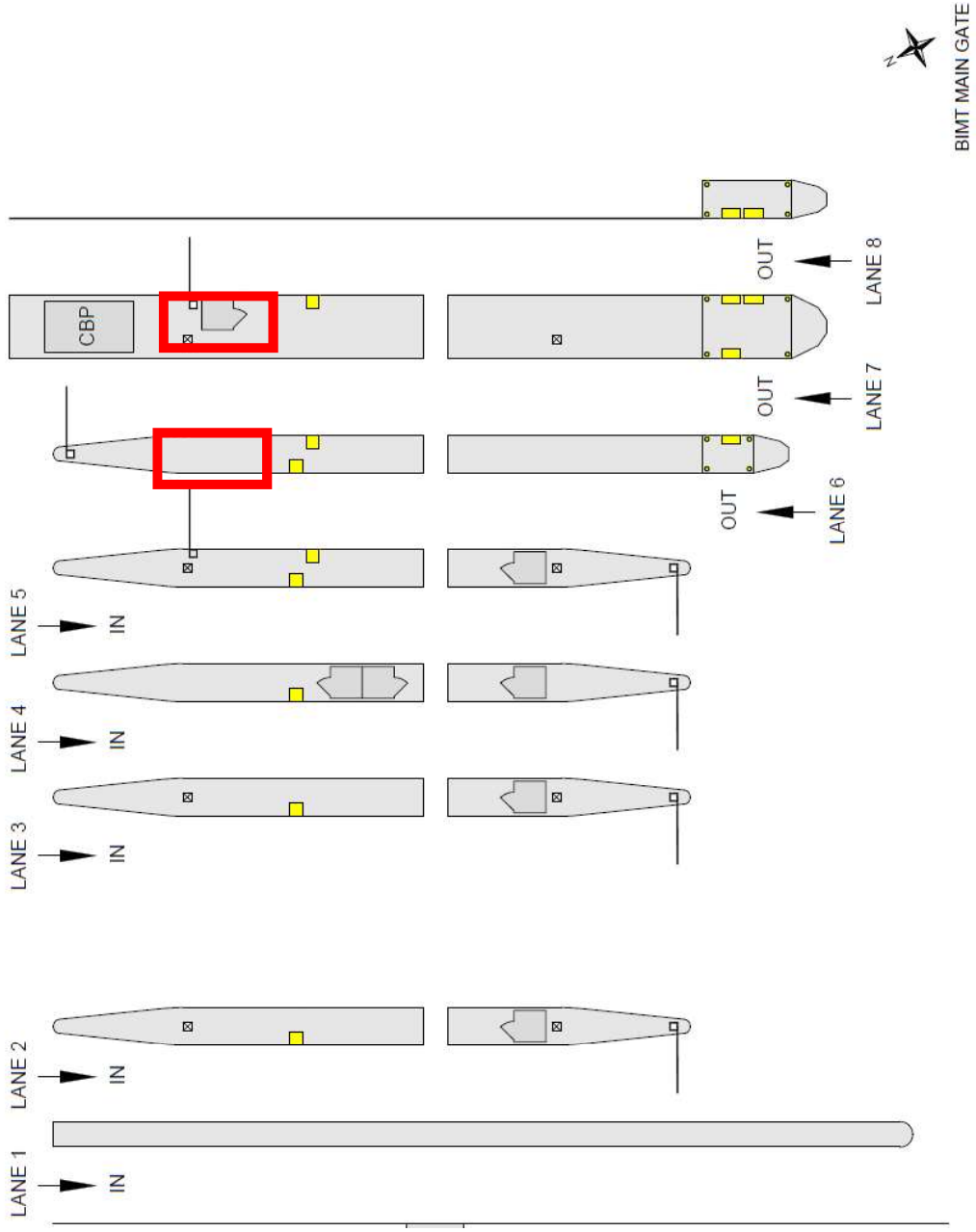
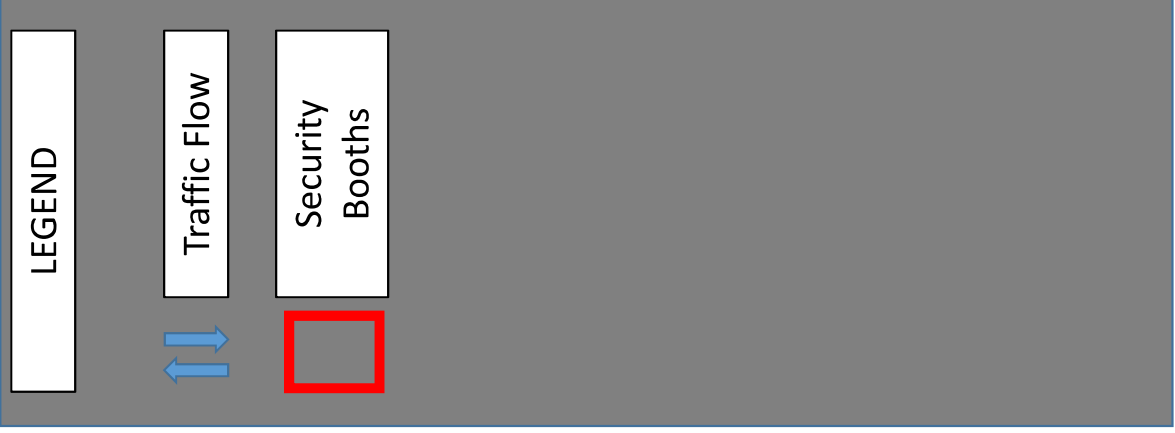
Inbound



Outbound



BIMT MG Current Security Booth Locations



BIMT Basic Scope of work

- 2 – older 4' X 4' security booths in lanes 7 & 8 will be removed and replaced with new 4' X 6' security booths (provided by JAXPORT); See project scope for BIMT for details
- New 4' X 6' security booths (provided by JAXPORT) will be installed in accordance with local building codes.
- **New booths will not be elevated and will be mounted on existing raised concrete slab**
- Existing conduit shall be utilized in addition to new conduit and fittings as needed to make connections to new booths, re-routing to centralized network cabinet and electrical supply for power.
- If needed; All new conduit will be installed above ground in the overhead canopy area
- All new conduit will be rigid aluminum and be 2" reduced to no smaller than ¾" or fitted to tie into existing conduit as needed.
- **Note all conduit sizes must be approved by JAXPORT I.T. Engineering or Physical security.**

BIMT Main Gate New Booth Requirements

Refer to JAXPORT Engineering's SOW for additional requirements. Booths will be provided by JAXPORT. Technical information included herein is for information purposes.

- Prefabricated Portable metal control booths
- 90" interior height
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- Furnish three 115v duplex outlet, and one 230v single outlet.
- Lighting fixture should be able to receive LED bulbs or have LED lights installed by manufacturer
- Heavy Duty push buttons to control gate arm operators
 - Buttons shall be pre-labeled "Up" for gate-arm up & "Down" for gate-arm down

BIMT New Booth Example Photos



LANE 7 BOOTH

Existing Booth



New Booth Example



LANE 8 BOOTH

Existing Booth



New Booth Example

