



INVITATION TO BID (ITB)

Contract #: O-0426

**BROREIN QUEUE DETECTION AND MONITORING INTELLIGENT TRANSPORTATION
SYSTEM (ITS) PROJECT**

ITB Issue Date & Cone of Silence Effective Date: 7/17/26

ITB Response Due Date: 9/18/26

RESPONSIBLE DEPARTMENT

Operations:

PM: Brian McElroy

PROCUREMENT DEPARTMENT

Toni-Catherine Atkinson, Procurement Manager

1104 East Twiggs Street, Suite 300

Tampa, Florida 33602

Telephone Number: (813) 695 2411

Email: Procurement@tampa-xway.com

THE RESPONSIBILITY OF SUBMITTING A BID PROPOSAL PACKAGE IN RESPONSE TO THIS SOLICITATION DOCUMENT TO THEA ON OR BEFORE THE STATED DEADLINE SHALL BE SOLELY AND STRICTLY OF THE BIDDER. THEA SHALL IN NO WAY BE RESPONSIBLE FOR DELAYS CAUSED BY THE UNITED STATES MAIL, OR ANY OTHER DELIVERY SERVICE, OR CAUSED BY ANY OTHER OCCURRENCE.

BIDDERS SHALL READ THE SOLICITATION IN ITS ENTIRETY PRIOR TO SUBMITTING A BID PACKAGE.

BY SUBMITTING A BID PROPOSAL PACKAGE, THE BIDDER ACKNOWLEDGES THEY HAVE READ, UNDERSTAND, AND ACCEPT THE TERMS AND CONDITIONS TO BE MET AND THE CHARACTER AND QUALITY OF THE SCOPE OF WORK TO BE PROVIDED

Legal Entity Name (Bidder): _____

Address of Bidder: _____

FEIN: _____

Name of Authorized Officer: _____ Title: _____

E-mail: _____ Phone Number: _____

Attachments and/or References not attached hereto will be supplied upon request and shared via a OneDrive File Share. Please contact the Procurement Office

Exhibits -

- Scope of Work
- Bid Proposal Form
- Bid Tabulation Sheet
- Experience and References
- Declaration of Respondent
- Sworn Statement of Public Entity Crimes
- Certification Regarding Scrutinized Companies List
- Drug-Free Workplace Form
- Conflict of Interest Statement
- Insurance Requirements, Coverage and Limits
- Bid Bond
- Payment and Performance Bond

References/Construction Drawings/Specification Attachment(s) -

1. O-0426 Borein Queue Detection and Monitoring ITS Project - Plans
2. O-0426 Borein Queue Detection and Monitoring ITS Project – Specification Package

I. INTRODUCTION

The Tampa-Hillsborough County Expressway Authority (“THEA” or the “Authority”) is soliciting bids to provide all the permits, labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary to perform the Brerein Queue Detection and Monitoring Intelligent Transportation System (ITS) Project for the Tampa Hillsborough Expressway Authority’s Selmon Expressway on the westbound Brerein Street exit ramp. The title of the project is as follows:

- O-0426 Brerein Queue Detection and Monitoring ITS Project

INSTRUCTIONS TO BIDDERS

1. THEA must receive all submittals at the location, date, and time identified in **Section VI, Schedule of Events**. Any submittal received after the stated time and date shall not be considered. It shall be the sole responsibility of the firm to have its package delivered to THEA. Delay in delivery shall not be the responsibility of THEA. Submittals received after the deadline shall not be considered and may be returned only at the firm’s expense.
2. Each bidder shall examine all documents and shall determine all matters relating to the interpretation of such documents.
3. The following exhibits are required by THEA to be completed by the bidder and submitted as part of the bid proposal package:
 - Public Entity Crimes
 - Certification Regarding Scrutinized Companies List
 - Drug-Free Workplace
 - Bid Proposal Form
 - Bid Tabulation Sheet
 - Conflict of Interest Form
 - Declaration of Respondent
 - Experience and References
 - Insurance Requirements, Coverage and Limits
 - Bid Bond Form
 - Payment and Performance Bond

A surety commitment letter is required to be submitted as part of the bid proposal package. The bidder is required to provide proof of bonding capacity and provide acknowledgment by the bidder’s surety of the ability to provide the required payment and performance bond and bid bonds.

4. Proof of insurance is required to be submitted as part of the bid proposal package. The bidder must provide evidence of the bidder’s ability to provide the insurance coverage required in the Insurance Requirements, Coverages, and Limits exhibit either by means of an existing policy or other verifiable proof (such as an agent/broker commitment letter).
5. The Authority requires electronic submission of bids and proposals. One (1) original, combined pdf bid proposal package including the required forms above must be e-mailed to THEA’s Procurement Department, clearly labeled, “**O-0426 Brerein Queue Detection and Monitoring ITS Project**” sent to:

Procurement Office
Procurement@tampa-xway.com

6. THEA shall not be liable for any expenses incurred in the preparation of the bid proposal package.
7. THEA reserves the right to accept or reject any or all bid proposal packages, to waive irregularities and technicalities, and to request resubmission or to re-advertise for all or any part of the work. THEA shall be the sole judge of the submittals and the resulting negotiated agreement that is in THEA's best interest, and THEA's decision shall be final.
8. The successful bidder shall be required to execute a contract, in form and content acceptable to THEA, indemnifying and holding harmless THEA, its officials, officers, employees, and agents from all claims.

9. CONE OF SILENCE

Firms, their agents, or associates shall refrain from contacting or soliciting any THEA staff, the consultants representing THEA regarding this ITB or members of the Board of Directors directly or indirectly regarding this ITB and this solicitation once the ITB is published and until the Board of Directors has made a final decision to award the contract. Failure to comply with this provision may result in the disqualification of the firm.

AT THE DISCRETION OF THEA, ANY VIOLATION OF THE REQUIREMENTS SET FORTH IN THIS SECTION SHALL CONSTITUTE GROUNDS FOR IMMEDIATE REJECTION OF THE BID PROPOSAL PACKAGE AND THE BIDDER SHALL BE DEEMED NON-RESPONSIVE.

11. Questions about this ITB for interpretation, clarification or about the project must be in writing addressed to THEA Procurement Department at Procurement@tampa-xway.com. To be considered, such requests must be received no later than the date and time stated for the deadline for respondent's submission of questions to THEA referenced in Section VI., Schedule of Events. Questions received after the date will not be considered.

II. QUALIFICATIONS:

The bidder must include with its bid proposal package all completed required forms as indicated in Section II Instructions to Bidders. Failure to submit all completed forms may be cause for rejection at the sole discretion of THEA. Only bidders with FDOT pre-qualification listed below at the time of submittal are eligible for selection. Contractors must have a current certificate of qualification in accordance with Florida Statute 337.14(1) and Rule Chapter 14-22, Florida Administrative Code, on the date of the letting to bid on construction projects over \$250,000.00. Prequalified Work Type:

- Intelligent Transportation Systems
- Traffic Signal
- Roadway Signing
- Electrical Work

III. DOING BUSINESS IN THE STATE OF FLORIDA

All bidders shall be in good standing with and authorized to do business in the State of Florida. Furthermore, it is the responsibility of the bidder to confirm that all of its subcontractors are also in good standing and authorized to do business in the State of Florida as may be required pursuant to §607.1501, §605.0902, and §605.0905 Florida Statutes.

If a bidder is not required to register pursuant to Florida Statutes, the successful bidder must be able to submit documentation demonstrating non-applicability of the statute.

THEA shall not execute an agreement if the successful bidder and subcontractors are not registered and in good standing to do business in the State of Florida as required by the referenced Florida Statutes.

IV. SELECTION PROCESS

THEA intends to purchase the services from the responsible and responsive bidder. The selection process for this ITB will consist of the following.

- Bid proposal packages will be evaluated on whether the bidder is responsible and responsive to this solicitation, with the objective to evaluate those bids and responses and to award a contract for the work to the firm with the **lowest total bid price**.
- THEA will determine if the bid is responsive and is a responsible bidder, in its sole and absolute discretion, considering all relevant facts and information. THEA reserves the right at its sole discretion to reject any and all bids if it is determined the total bid price is excessive, best offers are determined to be unreasonable, or it is in THEA's best interest to do so.
- The required bond forms are to be submitted to the THEA Procurement Office with the responsive bid proposal package, after Board approval of Final Ranking and Award of Contract.

FINAL SELECTION:

The bidder with the **lowest total bid price** will be presented to THEA's Board of Directors for consideration and approval with a recommendation that the bidder be selected per the Schedule of Events below.

V. SCHEDULE OF EVENTS

DATE	DESCRIPTION	LOCATION
July 17 th , 2026, by 5:00 PM	Advertisement Published	THEA Website & Demandstar
August 7 th , 2026, by 9:00 AM	Deadline for Respondent's submission of questions to THEA	Email to Procurement@tampa-xway.com
August 28 th , 2026, by 5:00 PM	Deadline for THEA to respond to Respondent's questions	THEA Website & Demandstar
September 18 th , 2026, by 9:00 AM	Deadline for Submitting Bid Proposal Package	Email to Procurement@tampa-xway.com
September 22 nd , 2026, 10:00 AM	Public Opening of Bid Proposal Packages	THEA Office 1101 E. Twiggs Street, Suite 300 Tampa, FL 33602
September 23 rd , 2026, by 5:00 PM	Post Notice of Intended Ranking	THEA Website & Demandstar
September 28 th , 2026, 1:30 PM	Board Approval of Final Ranking & Award of Contract	THEA Office 1101 E. Twiggs Street, Suite 300 Tampa, FL 33602
September 29 th , 2026, by 5:00 PM	Posting of Award of Contract	THEA Website, Demandstar & OpenGov ePortal

VI. TERMS AND CONDITIONS

THEA reserves the right to reject all bid proposal packages, any bid proposal packages not conforming to this Invitation to Bid, and to waive any irregularity or informality with respect to any proposal. THEA further, reserves the right to request clarification of information submitted and to request additional information from one or more firms.

THEA requires that the bidder selected will not discriminate against any person in accordance with federal, state, and local governments' regulations. THEA requires the bidder selected make an affirmative statement to the effect that their retention shall not result in conflict of interests with respect to THEA.

THEA requires that the bidder make an affirmative statement to the effect that they have not contacted, or attempted to contact, any member of the Board of Directors, or THEA staff, except as expressly permitted in the ITB.

EXHIBIT A

Scope of Work

II. INTRODUCTION

The Tampa-Hillsborough County Expressway Authority (THEA) is soliciting bids to provide all the permits, labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary to perform the Brorein Queue Detection and Monitoring Intelligent Transportation System (ITS) Project for the Tampa Hillsborough Expressway Authority's Selmon Expressway on the westbound Brorein Street exit ramp. The title of the project is as follows:

- Brorein Queue Detection and Monitoring ITS Project

III. EXISTING CONDITIONS

The Selmon Expressway was extended from downtown Tampa to I-75 in the 1980's. The facility is primarily an elevated urban four or six lane divided expressway typical section through the downtown Tampa area. The westbound Brorein Street exit ramp descends from the elevated expressway viaduct to the at-grade signalized downtown intersection of Brorein Street and Morgan Street. The ramp is curved and there is a significant amount of pedestrian traffic crossing the ramp at the intersection, especially during events at the Benchmark International Arena.

IV. SCOPE OF WORK

1. SUMMARY OF WORK

2. DESCRIPTION

- 2.01 This section provides a general summary or overview of the work to be performed. In performing the work, the contract documents shall be adhered to. This project is a bid quantities project.

3. SCOPE OF WORK

- 3.01 The general Scope of Work consists of, but is not limited to: Providing all the permits, labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary to detect and monitor vehicles and pedestrians:

- 3.01.01 Furnish & install all required ITS equipment including conduit (open trench, directional bore and bridge mounted), signal cable, fiber optic cable, communication cable, pull & splice boxes and junction boxes.

- 3.01.02 Furnish & install electrical wire and power service for all installed equipment.
- 3.01.03 Furnish & install vehicle detection systems, prestressed concrete pole, ITS cabinet, CCTV camera, ethernet switch, uninterruptible power supply (UPS) and remote power management unit (RPMU).
- 3.01.04 Furnish & install enhanced highway sign assemblies, light poles and relocate existing ground sign assemblies.
- 3.01.05 The contractor will be responsible for the proper removal and disposal of any surplus materials.
- 3.01.06 Replace disturbed pavement, sidewalk and grass areas “in-kind” to their pre-construction conditions.
- 3.01.07 Integrate Queue Detection and Monitoring System into THEA’s ATMS system.
- 3.01.08 The As-Built data shall be entered into an ArcGIS database consistent with the Authority’s existing data format and provided to the Authority. The ITS infrastructure and the lighting system shall be captured.
- 3.02 The contractor is responsible for all tolls incurred.
- 3.03 Single lane closures along mainline and ramps are permitted between the hours of 9 pm – 5 am Monday through Friday and 9 pm – 6 am Saturday and Sunday. No lane closures will be permitted during downtown special events.
- 3.04 Ramp detours may only be permitted between the hours of 9 pm – 5 am Monday through Friday and 9 pm – 6 am Saturday and Sunday. No two consecutive ramps in the same direction shall be closed within the same work period. No ramp detours will be permitted during downtown special events.
- 3.05 A Maintenance of Traffic (MOT) plan will be required in advance of lane closures for THEA's review and approval. Actual lane closure restrictions will be determined on a case-by-case basis beforehand and may need to be modified for special events, e.g., Tampa Lightning home games, Gasparilla, etc. A lane may only be closed during active work periods, and during the times noted above. All lane closures, including ramp closures, must be reported to the Authority’s Project Manager and Public Information Officer a minimum of fourteen (14) calendar days prior to each closure. Also, the contractor shall develop the Project to be able to provide for all lanes of traffic to be open in the event of an emergency.

4. SUBMITTALS

4.01 Submit the following in accordance with shop drawing submittal requirements of the General Provisions.

4.01.01 Shop drawings. Any required shop drawings shall be prepared and submitted to THEA for approval.

4.01.02 Schedule. Prior to beginning work, the contractor shall prepare and submit to THEA for approval a schedule showing proposed dates for the project.

5. CONTRACT DRAWINGS

5.01 Construction drawings and specifications have been prepared for this project.

5.01.01 Construction Drawings

- Brorein Queue Detection and Monitoring
THEA Project ID HI-0314-C2026

5.01.02 Specifications

- Brorein Queue Detection and Monitoring
THEA Project ID HI-0314-C2026

5.01.03 Pay Item Bid Form

- Brorein Queue Detection and Monitoring
THEA Project ID HI-0314-C2026

6. PRODUCTS

6.01 All products used for this project shall adhere to the requirements set forth in this document. Shop drawings shall be submitted for approval by the Engineer of Record and THEA.

EXECUTION

6.02 Work Sequence

6.02.01 For this contract, a period of 150 calendar days will be allowed after the Notice to Proceed is issued. This period allows time for the contractor to adjust work forces, equipment, schedules, and the procurement of materials, to proceed in a manner to minimize disruption to the public. Charging of contract time will begin when this time period ends or on the actual day that work begins at the site, whichever is the earlier.

6.02.02 190 calendar days of contract time are allowed for

completion of the work, commencing after the period communicated in Section 6.02.01. The charging of contract time will continue, uninterrupted, until Final Acceptance of the work. No other charges shall be paid for before the contract time commences.

6.03 Issue Escalation

In the event issues arise during the prosecution of the work, the issue escalation and resolution will be processed as detailed herein.

6.03.01 All issues shall be directed to the CEI Construction Project Manager (TBD). The contractor shall provide all supporting documentation relative to the issue being escalated, and any documentation not provided in the initial contact with the CEI Construction Project Manager shall not be considered.

6.03.02 If the issue cannot be resolved by the CEI Construction Project Manager in coordination with the General Engineering Consultant representing THEA as applicable, the General Engineering Consultant representing THEA shall forward the issue to THEA's Director of Infrastructure who will coordinate with the General Engineering Consultant representing THEA and CEI, as applicable.

6.03.03 Each escalation level shall have a maximum of five (5) calendar days (excluding weekends and THEA observed holidays) to answer, resolve, or address the issue.

6.03.03.01 The five (5) calendar day period (excluding weekends and THEA observed holidays) begins when each level in the issue escalation process has received all required supporting documentation necessary to arrive at an informed and complete decision.

6.03.03.02 The five (5) calendar day period (excluding weekends and THEA observed holidays) is a response time and does not infer resolution.

6.03.04 Questions asked by THEA may be expressed verbally and followed up in writing within one (1) calendar day (excluding weekends and THEA observed holidays). Responses provided by the contractor may

be expressed verbally and followed up in writing within one (1) working day.

- 6.03.05 Once a response is received from the Director of Infrastructure, the CEI will respond to the contractor in a timely manner but not to exceed three (3) calendar days (excluding weekends and THEA observed holidays).
- 6.03.06 The contractor shall provide a similar issue escalation process for their organization with personnel of similar levels of responsibility.

7. MEASUREMENT AND PAYMENT

- 7.01 The contractor shall be paid actual quantities as approved by the CEI and THEA prior to any invoicing.
- 7.02 The contractor shall submit within 15 calendar days of NTP a project schedule. The project schedule shall be approved by the Authority. The project schedule shall be updated to reflect the actual start date of contract time in accordance with Section 6.02.02.

EXHIBIT B

Bid Proposal Form

(Print this page on bidder's letterhead and attach with response)

Date: _____

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
(THEA)

Attention: Procurement Department
Toni-Catherine Atkinson, Procurement Manager
1104 East Twiggs Street, Suite 300
Tampa, FL 33602

Subject: _____

Dear THEA:

Having carefully examined the Instructions to Bidders, Supplementary Instructions to Bidders, General Provisions, Supplementary General Provisions, Special Provisions and Technical Specifications, Plans or Drawings (if issued), of the above subject project and contract, as well as the premises and the conditions affecting the work, the undersigned proposes to furnish all labor and materials called for by them and equipment necessary and to accomplish the entire work within the time period indicated in accordance with the said documents for the prices presented in the price schedules included on the attached BID TABULATION SHEET.

The undersigned acknowledges that they understand the following conditions that within the price schedules amounts indicated with brackets around the amounts are considered to be deductions or credits to the overall project cost. Calculations of price schedule extensions and price totals shall appropriately account for individual deductive and additive pay items.

BID PRICE: \$ _____

WRITTEN AMOUNT: _____ **DOLLARS AND**
_____ **CENTS**

The undersigned firm agrees to keep this offer open for acceptance for One Hundred Twenty (120) days after date of opening the bid proposal package.

The signer of this bid proposal package hereby declares that the only person, persons, company or parties interested in this bid proposal package as principals are named herein, that this bid proposal package is made without connection with any other person, persons, company or parties submitting a proposal; and that it is in all respects fair and in good faith, without collusion or fraud.

Name of Respondent

Authorized Signature

Date

EXHIBIT C

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY						
BID TABULATION TEMPLATE						
COMPANY NAME						
PROJECT NAME		Brorein Queue Detection and Monitoring				
PROJECT NO.		HI-0314-C2026				
BID DATE						
BID QUANTITIES						
REF NO.	BID ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	BID AMOUNT
1	101-1	MOBILIZATION	1	LS		\$
2	102-1	MAINTENANCE OF TRAFFIC	1	LS		\$
3	102-60	WORK ZONE SIGN	10800	ED		\$
4	102-74-1	CHANNELING DEVICE- TYPES I , II , DI , VP , DRUM OR LCD	800	ED		\$
5	102-99	PORTABLE CHANGEABLE MESSAGE SIGM, TEMPORARY	207	ED		\$
6	102-115	TYPE III BARRICADE	200	ED		\$
7	611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	0.32	MI		\$
8	611-2-2	ITSFM LOCATION DOCUMENTATION- ITS SITE	1	EA		\$
9	630-2-11	CONDUIT, F&I , OPEN TRENCH	420	LF		\$
10	630-2-12	CONDUIT, F&I , DIRECTIONAL BORE	875	LF		\$
11	630-2-15	CONDUIT, F&I , BRIDGE MOUNT	1400	LF		\$
12	632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, F&I	1,040	LF		\$
13	633-1-121	FIBER OPTIC CABLE , F&I , UG , 12 FIBERS	1,335	LF		\$
14	633-2-32	FIBER OPTIC CONNECTION , INSTALL , TERMINATION	24	EA		\$
15	633-3-14	FIBER OPTIC CONNECTION HARDW ARE, F&I, BUFFER TUBE FAN OUT KIT	2	EA		\$
16	633-3-16	FIBER OPTIC CONNECTION HARDW ARE, F&I, PATCH PANEL- FIELD TERMINATED	2	EA		\$
17	633-3-17	FIBER OPTIC CONNECTION HARDW ARE, F&I, CONNECTOR PANEL	2	EA		\$
18	633-6	FIBER OPTIC CABLE LOCATOR	60	DA		\$
19	635-2-11	PULL & SPLICE BOX, F&I , 13" X 24" COVER SIZE	4	EA		\$
20	635-2-12	PULL & SPLICE BOX, F&I , 24" x 36" COVER SIZE	7	EA		\$
21	635-3-12	JUNCTION BOX , F&I , MOUNTED	3	EA		\$
22	639-1-122	ELECTRICAL POWER SERVICE , F&I , UNDERGROUND , METER PURCHASED BY CONTRACTOR	1	AS		\$
23	639-2-1	ELECTRICAL SERVICE WIRE , F&I ,	65	LF		\$
24	639-8-120	ELECTRICAL POWER SERVICE , CONTRIBUTION IN AID OF CONSTRUCTION (CIAC) , TECO (DO NOT BID)	1	LS		\$
25	641-2-12	PRESTRESSED CONCRET POLE , F&I , TYPE P-II SERVICE POLE	1	EA		\$
26	660-4-11	VEHICLE DETECTION SYSTEM- VIDEO , F&I CABINET EQUIPMENT	2	EA		\$
27	660-4-12	VEHICLE DETECTION SYSTEM- VIDEO , F&I ABOVE GROUND EQUIPMENT	5	EA		\$
28	670-5-180	TRAFFIC CONTROLLER ASSEMBLY , F&I , CALTRANS W /STANDARD LOCK	1	AS		\$
29	682-1-173	ITS CCTV CAMERA , NON-PRESSURIZED , IP , HIGH DEFINITION	1	EA		\$
30	684-1-3	MANAGED FIELD ETHERNET SW ITCH , INSTALL	1	EA		\$
31	685-1-11	UNINTERRUPTIBLE POWER SUPPLY , F&I , LINE INTERACTIVE	1	EA		\$
32	685-2-1	REMOTE POW ER MANAGEMENT UNIT- RPMU , F&I	1	EA		\$
33	700-1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY , F&I GROUND MOUNT , LESS THAN 12 SF	1	EA		\$
34	700-1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY , F&I GROUND MOUNT , 12 - 20 SF	2	EA		\$
35	700-1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY , REMOVE	1	EA		\$
36	700-141-112	ENHANCED HIGHW AY SIGN ASSEMBLY , AC POWERED , F&I GROUND MOUNT , W /BEACON , 12 - 20 SF OF STATIC SIGN PANELS	1	EA		\$
37	700-141-412	ENHANCED HIGHW AY SIGN ASSEMBLY , AC POWERED , F&I BARRIER SIDE MOUNT , W /BEACON , 12 - 20 SF OF STATIC SIGN PANELS	2	EA		\$
38	715-61-100	LIGHT POLE COMPLETE , F&I , STANDARD POLE STANDARD POUNDATION , 30' MOUNTING HEIGHT , 0' ARM LENGTH	1	EA		\$
39	715-61-200	LIGHT POLE COMPLETE , F&I , STANDARD POLE STANDARD POUNDATION , 35' MOUNTING HEIGHT , 0' ARM LENGTH	1	EA		\$
TOTAL BID AMOUNT						\$

EXHIBIT D

Experience and References

<u>EXPERIENCE AND REFERENCES</u>				
	<u>Experience</u>	<u>Total Dollar Vaue</u>	<u>Number of Contracts</u>	<u>Number of Government Contracts</u>
1	State the total work volume and value that your organization has been responsible for in the past five (5) years in:			
2	List the dollar volume and number of government projects you have completed in the past five (5) years:			
3	Provide the following information on at least three (3) projects that Bidder has performed within the past five (5) years that were similar to this project. List chronologically, starting with the last project. Complete a new questionnaire for each representative project.			

EXPERIENCE AND REFERENCES**3.1 Project Title:**

a.	Date Project Completed:	
b.	Project Name:	
c.	Total Project Cost:	
d.	Owner Address:	
e.	Owner Telephone:	
f.	Name of Reference for this Project:	
g.	Relationship of Reference to Owner:	
h.	Title and Position Reference held for this Project:	
i.	Firm name where Reference was employed for this Project:	
j.	Reference's Email:	
k.	Reference's Telephone:	
l.	List any other special criteria i.e specialized repair or equipment, etc. worked:	
m.	Describe your specific scope of work:	
n.	Specific scope of work cost:	
o.	Your Participation was: circle one	Prime / Sub
p.	Penalties imposed? (Yes or No; if Yes, explain):	
q.	Any liens, claims, or lawsuits? (Yes or No; if Yes, explain):	
r.	Any other pertinent information?	

EXPERIENCE AND REFERENCES

3.2 Project Title:

a.	Date Project Completed:	
b.	Project Name:	
c.	Total Project Cost:	
d.	Owner Address:	
e.	Owner Telephone:	
f.	Name of Reference for this Project:	
g.	Relationship of Reference to Owner:	
h.	Title and Position Reference held for this Project:	
i.	Firm name where Reference was employed for this Project:	
j.	Reference's Email:	
k.	Reference's Telephone:	
l.	List any other special criteria i.e specialized repair or equipment, etc. worked:	
m.	Describe your specific scope of work:	
n.	Specific scope of work cost:	
o.	Your Participation was: circle one	Prime / Sub
p.	Penalties imposed? (Yes or No; if Yes, explain):	
q.	Any liens, claims, or lawsuits? (Yes or No; if Yes, explain):	
r.	Any other pertinent information?	

EXPERIENCE AND REFERENCES

3.3 Project Title:

a.	Date Project Completed:	
b.	Project Name:	
c.	Total Project Cost:	
d.	Owner Address:	
e.	Owner Telephone:	
f.	Name of Reference for this Project:	
g.	Relationship of Reference to Owner:	
h.	Title and Position Reference held for this Project:	
i.	Firm name where Reference was employed for this Project:	
j.	Reference's Email:	
k.	Reference's Telephone:	
l.	List any other special criteria i.e specialized repair or equipment, etc. worked:	
m.	Describe your specific scope of work:	
n.	Specific scope of work cost:	
o.	Your Participation was: circle one	Prime / Sub
p.	Penalties imposed? (Yes or No; if Yes, explain):	
q.	Any liens, claims, or lawsuits? (Yes or No; if Yes, explain):	
r.	Any other pertinent information?	

EXHIBIT E

Declaration of Respondent

1. Name of Respondent: _____
(RESPONDENT, CORPORATION, BUSINESS OR INDIVIDUAL)
2. Name of Contact Person: _____
3. Our local (to Tampa, Florida) business and mailing address is: _____

4. Professional License Number is: _____
5. The Project Manager assigned to this contract has a current Professional License
Number of _____ issued by the State of _____.
6. Federal I.D. Number: _____
7. Our primary business address is: _____
8. Our present business phone number is: _____
9. Our present fax number is: _____
10. Our present e-mail address is: _____
11. Our business has been operating under its present name since: _____

The below named respondent affirms and declares:

- (1) That the respondent has contractual capacity and that no other person, respondent, or corporation has any interest in this response.
- (2) That this response is made without any understanding, agreement, or connection with any other person, respondent or corporation making a response for the same purpose, and is in all respects fair and without collusion or fraud.
- (3) That the respondent is not in arrears to the Tampa-Hillsborough County Expressway Authority (THEA) upon debt or contract and is not a defaulter, as surety or otherwise, upon any obligation to THEA.
- (4) That the respondent is not in litigation or been disbarred from doing business with THEA.
- (5) That no officer or employee or person whose salary is payable in whole or in part from THEA is, shall be, or become interested, directly or indirectly, as surety or otherwise in this response; in the performance of the contract; for the supplies, materials, equipment, and work or labor to which they relate; or in any portion of the profits thereof.
- (6) That by submitting a proposal, the respondent agrees and acknowledges that it will provide the full complement of staff required to perform the scope of services, including the specific individuals named in the its proposal and the specific key personnel named in its proposal shall remain assigned for the duration of the project, unless otherwise agreed to in writing by the THEA.
- (7) By submitting this response, respondent accepts and acknowledges that respondent can comply with all terms and conditions set forth in the solicitation including, without limitation, the insurance bond requirements and the indemnification provisions.
- (8) The person signing hereby warrants that they are duly authorized to sign and bind on behalf of the respondent.

IN WITNESS WHEREOF, this response is hereby signed and sealed as of the date indicated below.

ATTEST:

(Witness Signature)

(Witness Signature)

(Printed Name of Witness)

RESPONDENT:

Respondent Name

By: . (Printed Name of Witness)
(AUTHORIZED SIGNATURE)

(Printed Name of Signer)

(Title of Signer)

(Date Signed)

NOTE: The person signing for the respondent shall in his/her own handwriting, sign the company's name, his/her own name and his/her title. Where the person signing for a corporation is other than the President or Vice-President, he/she must by affidavit, show his/her authority to bind the Company. Said affidavit shall be attached to this Declaration of Respondent.

STATE OF _____

COUNTY OF _____

Sworn to (or affirmed) and subscribed before me this _____ day of _____, 20____, by

_____. (Name of
Individual Signing)

Signature of Notary Public

My Commission Expires: _____

[Apply Notary Seal Here]

EXHIBIT F

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to Tampa-Hillsborough County Expressway Authority

by _____

[print individual's name and title]

for _____

[print name of entity submitting sworn statement]

whose business address is _____

and (if applicable) its Federal Employer Identification Number (FEIN) is _____

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____.)

2. I understand that a “public entity crime” as defined in a Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjunction of guilt in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an “affiliate” as defined in Paragraph 287.133 (1)(a), Florida Statutes, means:

- i. A predecessor or successor of a person convicted of a public entity crime; or
- ii. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a “person” as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity. The term “person” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on the information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **[indicate which statement applies.]**

_____ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent of July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent of July 1, 1989. However, if there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. **[attach a copy of the final order]**

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

[signature]

Sworn to and subscribed before me this _____ day of _____, 20_____.

Personally known _____ OR Produced identification _____

Notary Public – State of _____

My commission expires _____

(Type of Identification)

(Printed, typed or stamped Commissioned Name of Notary Public)

EXHIBIT G

Drug-Free Workplace Form

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that
_____ does:

Name of Business

1. Publish a statement of notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employees will abide by the terms of a statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction of, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 thru 5.

As the person authorized to sign this statement, I certify that this firm complies with the above requirements.

Firm's Signature

Date

EXHIBIT H

Conflict of Interest Statement

Check one of the boxes below:

- ☐ To the best of our knowledge, the undersigned respondent has no potential conflict of interest due to any other clients, contracts, or property interest for this solicitation and project.

OR

- ☐ The undersigned respondent, by attachment to this form, submits information which **may** be a potential conflict of interest due to other clients, contracts or property interest for this solicitation and project.

RESPONDENT:

By: _____
(AUTHORIZED SIGNATURE)

(Printed Name of Signer)

Title of Signer)

(Date Signed)

EXHIBIT I

Insurance Requirements, Coverage and Limits for Tampa-Hillsborough Expressway Authority

Consultants, Contractors and Vendors, hereinafter referred to collectively and individually as “Insured” conducting business with the Tampa-Hillsborough County Expressway, “THEA” are required to maintain adequate insurance coverage and provide insurance certification to THEA.

A. INSURANCE REQUIREMENTS:

- 1) All insurance shall be from responsible insurance companies eligible to do business in the State of Florida and having an AM Best rating of A- or better and a financial size category of VII or better. Utilization of non-rated companies or companies with AM Best ratings lower than A- or a financial size category lower than VII may be approved on a case by case basis. If the insurer does not meet these requirements, THEA retains the right to approve or disapprove the use of the insurer.
- 2) INSURED’S liability policies, other than the Workers' Compensation and Professional Liability, shall provide that THEA, its officials, officers and employees are additional named insureds as to the operations of the INSURED under the agreement.
- 3) INSURED’S liability policies, other than the Workers' Compensation and Professional Liability, shall provide the "Severability of Interest" provision (a/k/a "Separation of Insureds" provision).
- 4) The INSURED’S Certificate of Insurance(s) shall provide THEA as an additional certificate holder for all policies issued.
- 5) The INSURED’S Certificate of Insurance(s) shall state the description of the operations, i.e., “Name of Agreement” between THEA and “Name of Insured” and shall state the Contract Number assigned for the AGREEMENT between THEA and the INSURED.
- 6) The INSURED shall deliver to THEA, within ten (10) days from the receipt of a Notice of Award of the agreement, properly executed Certificate(s) of Insurance on insurance industry standard certificate of insurance form(s) (example: ACORD form) setting forth the insurance coverages and limits required herein. All of the required insurance coverages shall be issued as required by law and shall be endorsed, where necessary, to comply with the minimum requirements contained herein.
- 7) Except as otherwise specified in the AGREEMENT, the insurance will commence on or prior to the effective date of the AGREEMENT and will be maintained in force throughout the duration of the AGREEMENT. Three years’ completed operations coverage may be required to be maintained on specific commercial general liability policies and/or professional liability policies effective on the date of substantial completion or the termination of the AGREEMENT, whichever is earlier.
- 8) Aggregate Policy Limits on policies required of INSURED shall apply exclusively for the agreement.
- 9) INSURED authorizes THEA to verify its insurance information with its insurance agents, brokers, surety, and insurance carriers. At THEA’S request, INSURED shall provide copies of the policies at no cost to THEA, subject to redaction by the INSURED of any proprietary information.
- 10) All insurance coverages of the INSURED shall be primary to any insurance or self-insurance programs carried by THEA; and any THEA insurance or coverages shall not be contributory to INSURED’S insurance requirements in the agreement.
- 11) The insurance coverages and limits required of the INSURED under the agreement are designed to meet the minimum requirements of THEA. They are not designed as a recommended insurance

program for the INSURED. The INSURED alone shall be responsible for the sufficiency of its own insurance program.

- 12) All policies of insurance required herein will be specifically endorsed to require the insurer provide THEA with thirty (30) days notice prior to any cancellation, intent not to renew any policy and/or any change that will reduce the insurance coverages required in the agreement, except for the application of the Aggregate Limits Provisions.

The endorsement will specify that such notice will be sent to:

Tampa-Hillsborough County Expressway Authority, (THEA)
Procurement Manager
1104 East Twiggs St, Suite 300
Tampa, FL 33602

- 13) THEA accepts no responsibility for determining whether the INSURED'S insurance is in full compliance with the insurance required by the AGREEMENT. Neither the approval by THEA nor the failure to disapprove the insurance furnished by the INSURED will relieve the INSURED of their full responsibility to provide the insurance required by the agreement.
- 14) If the INSURED fails to provide or maintain the insurance coverages required in the AGREEMENT, THEA may terminate or suspend the AGREEMENT, or, at the THEA's sole discretion, may obtain such coverages and invoice the INSURED and include a 15% administrative cost. If not paid within 45 days, the amount will be deducted from INSURED'S invoice. The decision of THEA to purchase such insurance coverages shall in no way be construed as a waiver of its rights under the AGREEMENT.
- 15) INSURED shall fully comply with the insurance requirements of the AGREEMENT unless excused in writing by THEA. Any deductible applicable to any claim shall be the responsibility of the INSURED.
- 16) Any liability insurance aggregate limits are to be confirmed in writing by the respective insurance company that to their knowledge, as of the date of the AGREEMENT, there are no pending claims or legal actions against the INSURED, which if resolved in favor of the claimant would impair the insurance company's ability to cover the minimum insurance limits stated herein.
- 17) Current Insurance Service Office (ISO) policies, forms, and endorsements or broader shall be used where applicable. Notwithstanding the foregoing, the wording of all policies, forms, and endorsements must be acceptable to THEA without restrictive endorsement.
- 18) The INSURED will not commence work, use or occupy THEA premises in connection with the AGREEMENT until the required insurance is in force, preliminary evidence of insurance acceptable to THEA has been provided to THEA and THEA has granted permission to the INSURED to commence work or use or occupy the premises in connection with the AGREEMENT.
- 19) Upon request, the INSURED shall promptly make available a certified, true and exact copy of the insurance policy and endorsements issued to the policy and any renewal thereof for THEA's review and inspection. In the event of cancellation or non-renewal of this insurance, the INSURED agrees to purchase the maximum "extended claims reporting period" permitted under the policy within the time allowed, unless replacement coverage is obtained with retroactive coverage applicable as of the date the INSURED services started under the AGREEMENT.

B. INSURANCE COVERAGES and LIMITS:

For the term of the agreement the INSURED shall procure and maintain insurances of the types and limits specified herein.

- 1) **Workers' Compensation and Employers' Liability Insurance** - The minimum limits of Worker's Compensation/Employer's Liability Insurance (inclusive of any amount provided by an umbrella or excess policy) are:

Workers' Compensation

Florida Statutory
Requirements

Employers' Liability

Each Accident	\$500,000
Disease – Policy Limit	\$500,000
Disease - Each Employee	\$500,000

- 2) **Commercial General Liability Insurance** - The minimum limits of Commercial General Liability Insurance (inclusive of any amount provided by an umbrella or excess policy) are:

General Aggregate	\$1,000,000
Per Person	\$1,000,000

Each Occurrence	\$2,000,000
Personal Injury	\$1,000,000
Property Damage	\$1,000,000
Products & Completed Operations	\$1,000,000

The General Aggregate Limit must be specifically applicable to the AGREEMENT between THEA and the INSURED.

The Certificate must reflect whether the policy is “claims made” or “occurrence”.

Products & Completed Operations coverage to be maintained for three (3) years after final completion of the work under the agreement.

- 3) **Business Automobile Liability Insurance** - The minimum limits of Business Automobile Liability Insurance (inclusive of any amount provided by an umbrella or excess policy) covering ownership, maintenance, use, loading and unloading of all its owned, non-owned, leased or hired vehicles are:

Bodily Injury	
Each Person	\$1,000,000
Each Accident	\$1,000,000
Property Damage	\$1,000,000
Bodily Injury & Property Damage Combined	\$1,000,000

- 4) **Umbrella Liability Insurance or Excess Liability Insurance** – Umbrella Liability Insurance or Excess Liability Insurance must provide the same coverages as required for the underlying Commercial General, Business Automobile and Employers' Liability Coverages with no gaps in continuity of coverages or limits.

Bodily Injury & Property Damage Combined	
Each Occurrence	\$2,000,000
Aggregate (specific to the agreement)	\$2,000,000
Aggregate (not specific to the agreement)	\$1,000,000

- 5) **Professional Liability Insurance, also known as “Errors and Omissions”**. The minimum limits of Professional Liability Insurance covering all work of the INSURED without any exclusions unless approved in writing by THEA are:

Professional Liability	
Each Claim	\$1,000,000
Aggregate	\$1,000,000

Any deductible applicable to any claim shall be the responsibility of the INSURED and shall not be greater than \$100,000 unless approved by THEA in writing. This coverage shall be maintained by the INSURED for a period of not less than three (3) years from the date the INSURED has completed and THEA has accepted the services under the AGREEMENT.

- 6) **Environmental Impairment (Pollution) Liability, (if required)** – Environmental Impairment (Pollution) Liability insurance is required only if specifically stated in the Instructions and Submittal Documents package.

If required, the minimum limits of Environmental Impairment (Pollution) Liability insurance coverage (inclusive of any amount provided by an umbrella or excess policy) for liability resulting from pollution

or other environmental impairment in connection with operations performed by or on behalf of INSURED under the agreement or the use or occupancy of THEA premises by or on behalf of the INSURED are:

Each Occurrence	\$1,000,000
Annual Aggregate	\$1,000,000

EXHIBIT J

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we _____

(Here In after called the "Principal") and _____

(Hereinafter called the "Surety"), a Corporation chartered and existing under the laws of the State of

_____ with its principal offices in the City of _____

and authorized to do business in the State of Florida are held firmly bound unto the Tampa-Hillsborough County Expressway Authority, in the full and just sum of

_____ Dollars (\$ _____), equal to 10% of the bid amount, good and lawful money of the United States of America, to be paid upon demand of the Tampa-Hillsborough County Expressway Authority, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally by these presents.

WHEREAS, the Principal is about to submit, or has submitted to the Tampa-Hillsborough County Expressway Authority, a proposal for the

WHEREAS, the Principal desires to file this bond in accordance with law, in lieu of a certified check or cashier's check otherwise required to accompany this Proposal.

"NOW, THEREFORE: The conditions of this obligation are such that if the Proposal is accepted, the Principal shall, within ten (10) days after the date of receipt of a written notice of Award of Contract, execute a contract in accordance with the Proposal and upon the terms, conditions and prices set forth therein in the form and manner required by the Tampa-Hillsborough County Expressway Authority and execute a sufficient and satisfactory Public Construction Bond, payable to the Tampa-Hillsborough County Expressway Authority and deliver documents which are condition to commencing the work... ". then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall, upon failure within the time specified above, immediately pay to the aforesaid Expressway Authority upon Demand the amount thereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

IN TESTIMONY THEREOF, the Principal and Surety have caused these presents to be duly signed and Sealed this day of 20_____.

Principal

(Seal)

BY: _____

Surety

(Seal)

BY: _____

Countersigned

CERTIFICATE AND AFFIDAVIT FOR SURETY BOND INSURER

TO: TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY

RE: REQUEST FOR PROPOSALS NO. _____; PROJECT: _____

BIDDER: Name: _____
Address: _____ Telephone: _____

AMOUNT OF BOND: _____ SURETY
BOND INSURER
Name: _____
Address: _____ Telephone: _____

Before me, the undersigned authority, personally appeared, _____ on this _____ day of _____,
20_____, who hereby certifies that, in accordance with Section 287.0935, Florida
Statutes, the insurer named above:

1. Is licensed to do business in the State of Florida;
2. Holds a certificate of authority authorizing it to write surety bonds in Florida;
3. Has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is Issued;
4. Is otherwise in compliance with the provisions of the Florida Insurance Code; and
5. Holds a currently valid certificate of authority issued by the United States Department of the Treasury under Section 9304-9308 of Title 31 of the United States Code.

Signature of Officer of Surety Insure

STATE OF: _____

COUNTY OF: _____

THE FOREGOING INSTRUMENT was sworn to, subscribed and acknowledged before me this

_____ day of _____, 20_____ by who is personally known to me or
_____ has produced _____ as identification and did take an oath.

(Notary, check appropriate blank; and if obtaining identification, fill in appropriate identification number.)

Notary Public

(Printed Name of

Notary) My

Commission Expires:

(Serial Number, if any)

EXHIBIT K

Certification Regarding Scrutinized Companies Lists

This certification is required pursuant to Florida Statute, Section 287.135.

By executing this form and each and every renewal hereof (if renewal is separately provided for herein), pursuant to section 287.135, Florida Statutes, Consultant certifies, represents, and warrants that: (a) it is not on the Scrutinized Companies with Activities in Sudan List, (b) it is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, (c) it is not on the Scrutinized Companies with Activities in Iran Terrorism Sectors List, (d) that it does not have Business operations or is engaged in business in Cuba or Syria, and (e) that it is not engaged or engaging in a Boycott of Israel, and that all such certifications were true at the time it submitted its bid or proposal for this Agreement, as of the Effective Date of this Agreement, and as of the effective date of any renewal of this Agreement. Notwithstanding anything contained in this Agreement to the contrary, the Authority may terminate this Agreement immediately for cause if: (1) Consultant is found to have submitted a false certification regarding (a) – (e) above in accordance with section 287.135(5), Florida Statutes, (2) Consultant is found to have been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or is or has been engaged in Business operations in Cuba or Syria or a Boycott of Israel, or (3) Consultant is found to have been placed on a list created pursuant to section 215.473, Florida Statutes, relating to scrutinized active business operations in Iran. Such termination shall be in addition to any and all remedies available to the Authority at law or in equity. The terms “Boycott of Israel” and “Business operations” used in this section are defined as in Section 287.135, Florida Statutes. The Lists referred to in this section are those Lists in and maintained pursuant to section 287.135, Florida Statutes.

Firm: _____

Firm FID or EIN: _____

Address: _____

City: _____ State: _____ Zip: _____

I hereby warrant that I am duly authorized to sign and bind on behalf of the company listed above as the “Firm”.

I hereby certify and affirm that the company listed above as the “Firm” certifies, represents, and warrants that:

(a) it is not on the Scrutinized Companies with Activities in Sudan List, (b) it is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, (c) it is not on the Scrutinized Companies with Activities in Iran Terrorism Sectors List, (d) that it does not have Business operations or is engaged in business in Cuba or Syria, and (e) that it is not engaged or engaging in a Boycott of Israel, and that all such certifications were true at the time it submitted its bid or proposal for this Agreement, as of the Effective Date of this Agreement, and as of the effective date of any renewal of this Agreement. I understand pursuant to Florida Statute, Section 287.135, the submission of a false certification may subject the Respondent/Bidder to civil penalties, attorney’s fees and/or costs.

Firm:

By: _____ (Authorized
Signature)

(Printed Name of Signer) (Title of Signer)

(Date Signed)

EXHIBIT L

**For Clerk of the Court
Recording Purposes**

Return to: Contracts Manager
Tampa Hillsborough Expressway Authority
1104 East Twiggs St., Suite 300
Tampa, FL 33602

BOND NO: _____

PERFORMANCE BOND

BY THIS BOND, We, _____, a _____ corporation, as **Principal**, and _____, a _____ corporation, as **Surety**, located at _____ are bound to the **TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY**, herein called **Owner**, in the sum of \$_____, for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract dated _____, 20____ between Principal and Owner for construction of the _____ at the Tampa-Hillsborough County Expressway Authority, Request for Proposals (RFP) Contract No. _____, at the times and in the manner prescribed in the contract, the contract being made a part of this bond by reference, and
2. Pays Owner all loss, damages including delay damages, including but not limited to liquidated damages, costs, and attorney's fees, including appellate proceedings, that Owner sustains because of a default by Principal under the contract; and
3. Performs the guarantee of all work and materials furnished under the Contract for the time specified in the Contract for construction and any applicable warranty period, then this bond is void; otherwise it remains in full force.

The Surety, for value received, agrees that any changes, extensions of time, or additions to the Terms of the Contract Documents, and neither compliance nor noncompliance with any formalities connected with the contract or the changes shall not affect Surety's obligation under this bond. Surety hereby waives notice of any such changes.

Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes.

Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond.

DATED ON: _____, 20_____.

Name of Principal (Contractor):

Name of Surety:

By: _____

By: _____
Attorney in Fact

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address: _____

Telephone No. _____

Telephone No. _____

Fax No. _____

Fax No. _____

(Attach "Certificate & Affidavit Form Surety Bond Insurer" and
"Power of Attorney" from Surety)

STATE OF _____ :

COUNTY OF _____ :

THE FOREGOING INSTRUMENT was acknowledged before me this _____ day of _____, 20_____ by _____, who _____ is personally known to me or _____ has produced _____ as identification and did not take an oath. [Notary, check appropriate blank; and, if obtaining identification, fill in appropriate identification number.]

My Commission Expires:

Notary Public

(Printed Name of Notary)

(Serial Number, if any)

This form complies with Section 255.05, Florida Statutes

CERTIFICATE AND AFFIDAVIT FOR SURETY BOND INSURER

TO: TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY (THEA)

RE: _____

PROPOSER:

Name: _____

Address: _____

Telephone: _____

AMOUNT OF BOND: _____

SURETY BOND INSURER:

Name: _____

Address: _____

Telephone: _____

Before me, the undersigned authority, personally appeared, _____ on this ____ day of _____ 20____ who hereby certifies that, the insurer named above:

1. Is licensed to do business in the State of Florida;
2. Holds a certificate of authority authorizing it to write surety bonds in Florida;
3. Has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
4. Is otherwise in compliance with the provisions of the Florida Insurance Code; and,
5. Holds a currently valid certificate of authority issued by the United States Department of the Treasury under Section 9304 to 9308 of Title 31 of the United States Code.

Signature of Officer of Surety Insurer

STATE OF _____ :

:

COUNTY OF _____ :

THE FOREGOING INSTRUMENT was sworn to, subscribed and acknowledged before me this ____ day of _____, 20____ by _____, who ____ is personally known to me or ____ has produced _____ as identification and did take an oath.

[Notary, check appropriate blank; and, if obtaining identification, fill in appropriate identification number.]

Notary Public

Printed Name of Notary

My Commission Expires:

(Serial Number, if any)

**For Clerk of the Court
Recording Purposes**

Return to: Contracts Manager
Tampa Hillsborough Expressway Authority
1104 East Twiggs St., Suite 300
Tampa, FL 33602

BOND NO: _____

PAYMENT BOND

BY THIS BOND, We, _____, a _____ corporation, as **Principal**, and _____, a _____ corporation, as **Surety**, located at _____ are bound to the **TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY**, herein called **Owner**, in the sum of \$_____, for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Promptly makes payment to all claimants, as defined in Section 233.05(1), Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the contract dated _____, 20 _____ between Principal and Owner for construction of _____ (RFP No. _____), the Contract being made a part of this bond by reference; and
2. Pays Owner all loss, damages expenses, costs, and attorney's fees, including appellate proceedings, that Owner sustains because of a default by Principal under the contract related to payment for such labor, materials, or supplies furnished to the Principal, then this bond is void; otherwise it remains in full force.

Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond.

Certain claimants seeking the protection of this Bond must timely comply with the strict requirements set forth in Section 255.05, Florida Statutes, and as otherwise provided by law.

DATED ON: _____, 20_____.

Name of Principal (Contractor):

Name of Surety:

By: _____

By: _____

Attorney in Fact

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address: _____

Telephone No. _____

Telephone No. _____

Fax No. _____

Fax No. _____

(Attach "Certificate & Affidavit Form Surety Bond Insurer" and
"Power of Attorney" from Surety)

STATE OF _____ :

:

COUNTY OF _____ :

:

THE FOREGOING INSTRUMENT was acknowledged before me this _____ day of _____, 20_____ by _____, who _____ is personally known to me or _____ has produced _____ as identification and did not take an oath. [Notary, check appropriate blank; and, if obtaining identification, fill in appropriate identification number.]

My Commission Expires:

Notary Public

(Printed Name of Notary)

(Serial Number, if any)

This form complies with
Section 255.05, Florida Statutes

CERTIFICATE AND AFFIDAVIT FOR SURETY BOND INSURER

TO: TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY (THEA)

RE: _____

PROPOSER:

Name: _____

Address: _____

Telephone: _____

AMOUNT OF BOND: _____

SURETY BOND INSURER:

Name: _____

Address: _____

Telephone: _____

Before me, the undersigned authority, personally appeared, _____ on this ____ day of _____ 20____ who hereby certifies that, the insurer named above:

1. Is licensed to do business in the State of Florida;
2. Holds a certificate of authority authorizing it to write surety bonds in Florida;
3. Has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
4. Is otherwise in compliance with the provisions of the Florida Insurance Code; and,
5. Holds a currently valid certificate of authority issued by the United States Department of the Treasury under Section 9304 to 9308 of Title 31 of the United States Code.

Signature of Officer of Surety Insurer

STATE OF _____ :

COUNTY OF _____ :

THE FOREGOING INSTRUMENT was sworn to, subscribed and acknowledged before me this ____ day of _____, 20____ by _____, who ____ is personally known to me or ____ has produced _____ as identification and did take an oath.

[Notary, check appropriate blank; and, if obtaining identification, fill in appropriate identification number.] _____ Notary

Public _____ Printed Name of Notary

My Commission Expires:

(Serial Number, if any)

TAMPA-HILLSBOROUGH
EXPRESSWAY AUTHORITY

CONTRACT PLANS

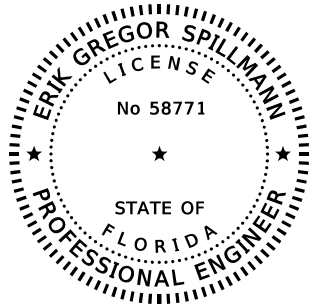
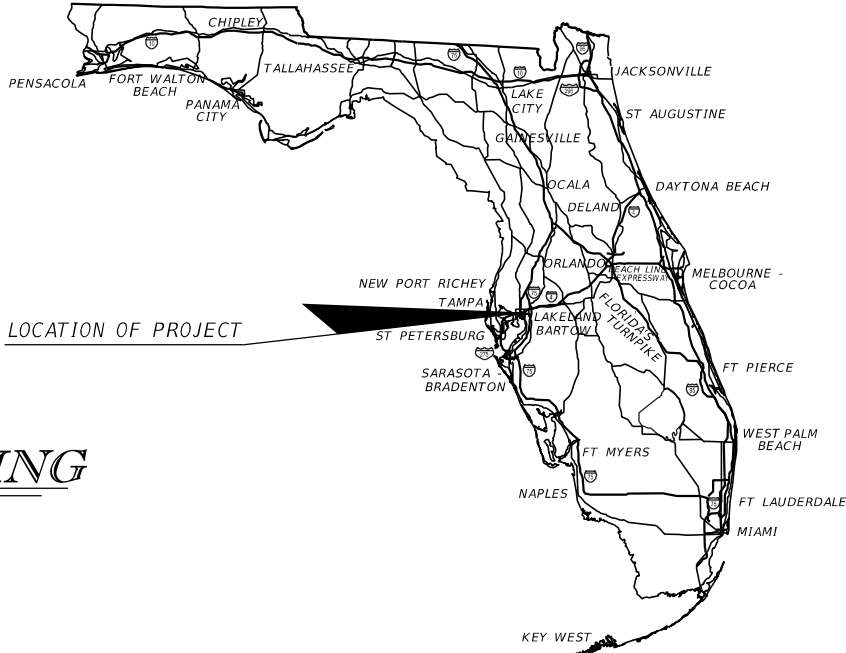
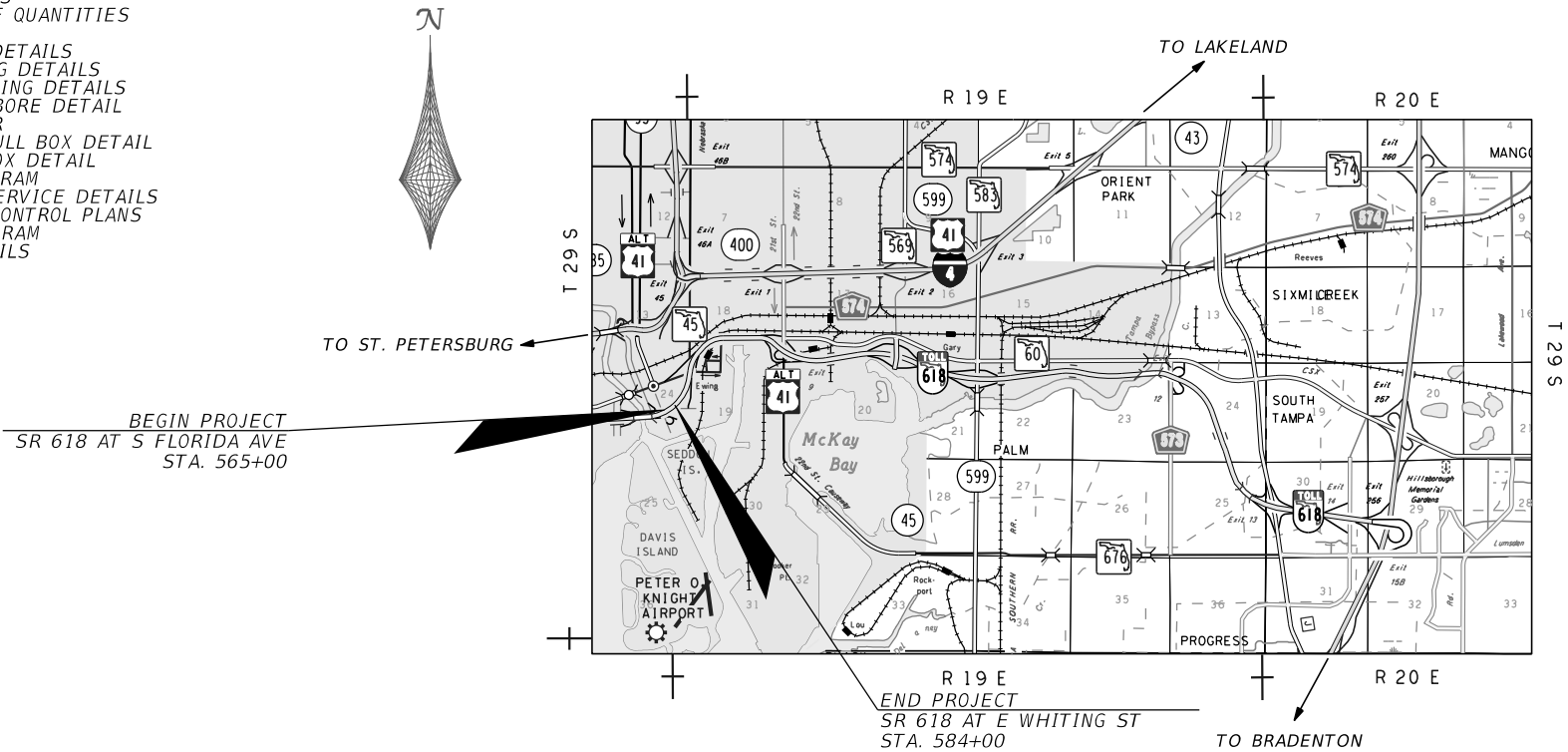
CONSTRUCTION PROJECT NO. HI-0314-C2026
HILLSBOROUGH COUNTY
LEE ROY SELMON CROSSTOWN EXPRESSWAY
STATE ROAD NO. 618

BROREIN QUEUE DETECTION AND MONITORING

INTELLIGENT TRANSPORTATION SYSTEMS PLANS

INDEX OF ITS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-01	KEY SHEET
IT-02	GENERAL NOTES
IT-03	TABULATION OF QUANTITIES
IT-04 TO IT-09	ITS PLANS
IT-10	ITS CABINET DETAILS
IT-11 TO IT-13	POLE MOUNTING DETAILS
IT-14 TO IT-15	BRIDGE MOUNTING DETAILS
IT-16	DIRECTIONAL BORE DETAIL
IT-17	ROUTE MARKER
IT-18	ELECTRICAL PULL BOX DETAIL
IT-19	FIBER PULL BOX DETAIL
IT-20	SPLICING DIAGRAM
IT-21	ELECTRICAL SERVICE DETAILS
IT-22 TO IT-23	ITS TRAFFIC CONTROL PLANS
IT-24	NETWORK DIAGRAM
IT-25	CONDUIT DETAILS



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL IS
RESPONSIBLE FOR THE FOLLOWING SHEETS
IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INTELLIGENT TRANSPORTATION
SYSTEMS PLANS
ENGINEER OF RECORD:

PLANS PREPARED BY:

ERIK SPILLMANN, P.E NO. 58771
BCC ENGINEERING, LLC.
160 N. WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
VENDOR NO.: 65-0540100

THEA PROJECT MANAGER:

JUDITH VILLEGAS, E.I.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2026-27 Standard Plans for Road and Bridge Construction, and applicable Interim Revisions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website:
<http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2026 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SHEET
NO.

IT-01

GENERAL:

1. ELECTRICAL CONDUCTOR SPLICES AND CONNECTIONS MADE IN ELECTRICAL PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT PULL BOXES AND PULL BOXES WHERE A GIVEN PHASE OR GROUND CONDUCTOR WILL RUN IN MORE THAN TWO CONDUITS.
2. CONTRACTOR TO LOG INTO FOLLOWING LINKED ESRI FORM AND PROVIDE INFORMATION WHENEVER THEY ACCESS THE CABINET. LINK TO THE ESRI FORM:



PULL BOXES/ SPLICE VAULTS/ ITS MANHOLES:

1. EXISTING IS TO REMAIN UNLESS SPECIFIED IN PLAN SHEETS

UTILITIES:

1. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNED VV, VH AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

UTILITY OWNERS	CONTACT	TELEPHONE
FIBERLIGHT LLC.	NEIL CLEVELAND	(813) 877-7185
AT&T	STEVE HAMER/MIKE GAMBOA	(813) 888-8300 EXT. 201
SPECTRUM SUNSHINE STATE, LLC.	MICHAEL DECROIX	(727) 329-2951
DELTACOM	LOCAL DESK	(800) 289-1901
BLACK & VEATCH TAMPA IF	KEN SOULE	(913) 458-4667
KINDER MORGAN/CENTRAL FLORIDA PIPELINE	MARK CLARK	(727) 271-0024
DEAKIN PROPERTY SERVICES INC.	BARBARA DEAKIN	(813) 839-2811
FLORIDA GAS TRANSMISSION COMPANY	JOSEPH E. SANCHEZ	(407) 838-7171
ZAYO GROUP/FORMERLY LIGHTWAVE, LLC.	HENRY KLOBUCAR	(406) 496-6510
FRONTIER COMMUNICATIONS	TONI CANNON	(813) 875-1014
HILLSBOROUGH COUNTY SHERIFF'S OFFICE	JEFF KEITH	(813) 290-2270
HILLSBOROUGH COUNTY CLERK OF CIRCUIT CO.	TAEIA AMITUANAI	(813) 276-2029 EXT. 4294
HILLSBOROUGH COUNTY TRAFFIC SERVICE UNIT	DARRYLE NORTON	(813) 744-5788 (FAX)
HILLSBOROUGH COUNTY PUBLIC UTILITIES DEP.	LISA MURRIN	(813) 272-5977

CONDUIT:

1. CONDUIT LOCATIONS AS SHOWN ON THE PLANS MUST BE ADHERED TO IN ORDER TO AVOID FUTURE GRADING, WALLS AND DRAINAGE INSTALLATION. CONDUIT SHALL BE PLACED WITHIN THE RIGHT-OF-WAY BUT CAN BE ADJUSTED TO FIT AROUND THE EXISTING AND PROPOSED UTILITIES. ANY DEVIATION FROM THE PLANS SHALL BE APPROVED AND AS-BUILT BY THE ENGINEER OF RECORD. PROPOSED FOUNDATIONS AND ITS BOXES SHALL AVOID BEING PLACED WITHIN DRAINAGE FEATURES.
2. HORIZONTAL DEPTH SHALL BE IN ACCORDANCE WITH FDOT UTILITY ACCOMMODATION MANUAL (2017).

3. CONDUIT AND CABLING TO REMAIN UNLESS CALLED OUT IN PLANS.

MAINTENANCE OF COMMUNICATION (MOC) PHASING NOTES:

1. ENSURE THE PROTECTION OF EXISTING SPLICES WHEN WORKING IN EXISTING SPLICE ENCLOSURES, ESPECIALLY WHEN SPLICING IN THE SAME BUFFER TUBE OR SPLICE TRAY.

PROJECT CONTROL NOTES:

1. PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, OF THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD 83/2011) AS ESTABLISHED FROM NATIONAL GEODETIC SURVEY (NGS) CONTROL STATION DESIGNATED "Q 18" (PID (PERMANENT IDENTIFIER) AG6038).
2. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE ALIGNMENT SHOWN HEREON IS BASED ON PROVIDED SURVEY.

PAY ITEM NOTE:

1. 611-1-1, 611-2-2: ENTER AS-BUILT DATA INTO THEA'S ARCGIS PLATFORM
2. 660-4-12 - PAY ITEM INCLUDES CABLING FROM CABINET AND ABOVEGROUND EQUIPMENT. FOR PEDESTRIAN DETECTION PROVIDE AND CONFIGURE DERO AI POWERED DETECTION EQUIPMENT. FOR VEHICLE DETECTION ON RAMP PROVIDE AND CONFIGURE FLIR TRAFISENSE SENSORS.
3. 670-5-180: PROVIDE AND CONFIGURE Q-FREE 2070LDX CONTROLLER WITH MAXTIME IC CONTROLLER SOFTWARE. CONFIGURE CONTROLLER FOR TMC REMOTE CONTROL.
4. 684-1-3: THEA WILL PROVIDE THE CONFIGURED RUGGEDCOMM RSG920P MANAGED FIELD ETHERNET SWITCH AND THE 6GK6000-8FG52-0AA0 SFP MODULE LC-INTERFACE. PROVIDE 8 WEEKS NOTIFICATION PRIOR TO PICKING UP THE SWITCH. FURNISH AND INSTALL ALL FIBER PATCH CABLES AND ETHERNET COPPER CABLES. CONSULT THE ENGINEER FOR THE SWITCH PORT NUMBER TO CONNECT EACH OF THE DEVICES.
5. 715-61-200: PAY ITEM DOES NOT INCLUDE LUMINAIRE & SUPPORT ARM.
6. 639-1-122: COORDINATE WITH THE AUTHORITY AND TECO TO ASSIGN THE NEW SERVICE TO AN EXISTING AUTHORITY TECO ACCOUNT. THE NEW SERVICE WILL BE ADDED TO THE AUTHORITY'S ACCOUNT UPON COMPLETION OF AN INSPECTION PERFORMED BY THE AUTHORITY'S MAINTENANCE GROUP AND BEFORE THE METER IS ENERGIZED.
7. 639-8-120: TECO WORK ORDERS WILL BE INITIATED BY THE CONTRACTOR AND PAID DIRECTLY BY THE AUTHORITY.

LEGEND:

	EXISTING ITS CONDUIT RUN		PROPOSED SPLICE BOX
	PROPOSED CONDUIT RUN OPEN TRENCH		EXISTING SPLICE VAULT
	PROPOSED CONDUIT RUN DIRECTIONAL BORE		PROPOSED FIBER PULL BOX
	PROPOSED BRIDGE MOUNT CONDUIT		EXISTING FIBER PULL BOX
	PROPOSED ITS POLE		PROPOSED ELECTRICAL PULL BOX
	EXISTING ITS POLE		EXISTING ELECTRICAL PULL BOX
	PROPOSED SERVICE POLE		PROPOSED FIBER JUNCTION BOX
	EXISTING SERVICE POLE		EXISTING FIBER JUNCTION BOX
	ELECTRICAL SOURCE (OVERHEAD)		PROPOSED AERIAL JUNCTION BOX
	ELECTRICAL SOURCE (BASE MOUNT)		EXISTING AERIAL JUNCTION BOX
	VIDEO DETECTION CAMERA		PROPOSED NEMA ENCLOSURE
	CONNECTED VEHICLE ROADSIDE UNIT		EXISTING NEMA ENCLOSURE
	CCTV CAMERA		PROPOSED POLE MOUNT CABINET
			EXISTING POLE MOUNT CABINET
			PROPOSED BASE MOUNT CABINET
			EXISTING BASE MOUNT CABINET

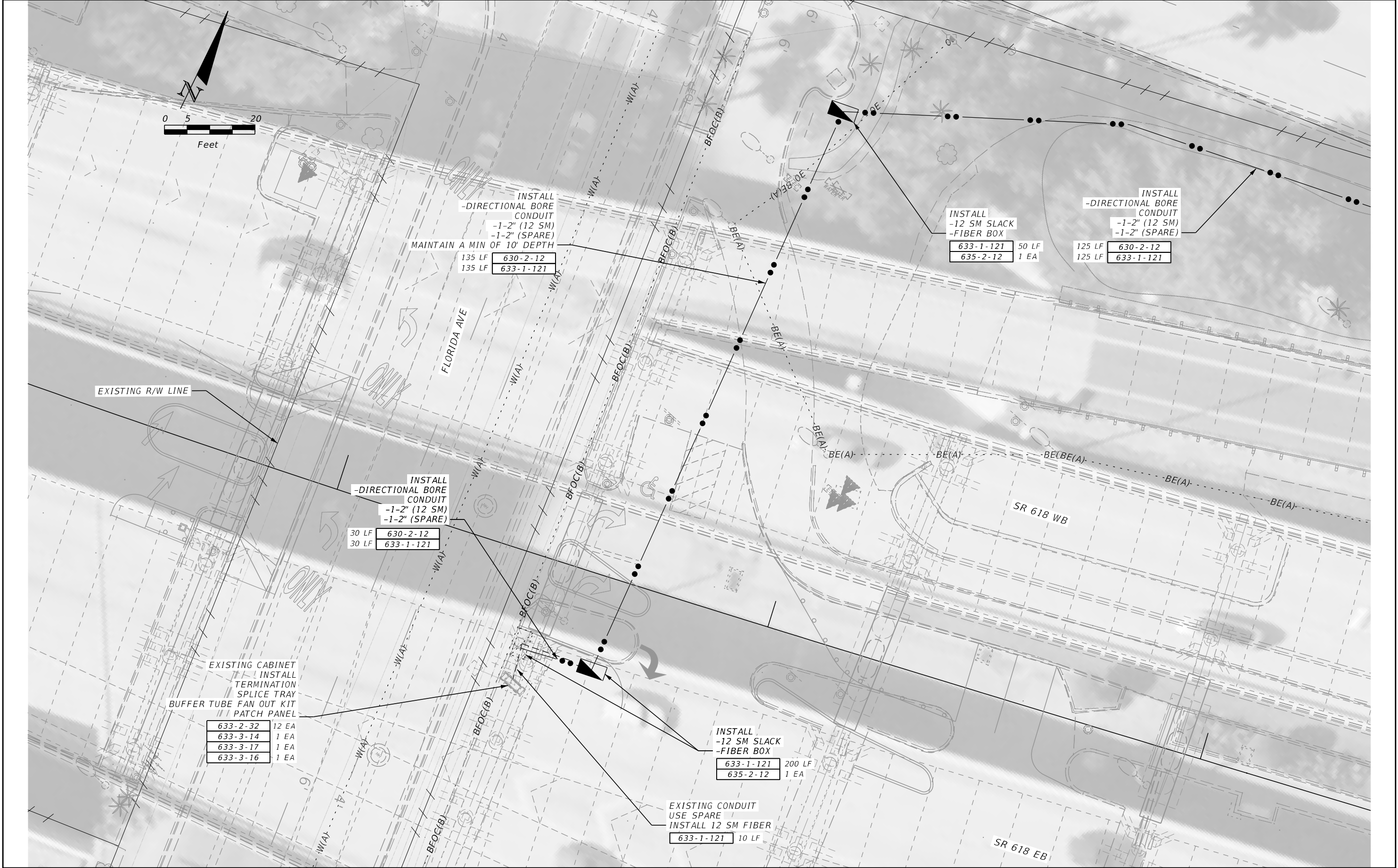
ABBREVIATIONS:

AC=ALTERNATING CURRENT
BE=BURIED ELECTRIC
BT=BURIED TELEPHONE
CKT=CIRCUIT
COMM.=COMMUNICATIONS
CV=CONNECTED VEHICLES
DC=DIRECT CURRENT
EB=EASTBOUND
FO=FIBER OPTIC
FOC=FIBER OPTIC CABLE
HIL=HILSBOROUGH
LHUB=LOCAL HUB
OE=OVERHEAD ELECTRIC
PIN=PINELLAS
RSU=ROADSIDE UNIT
SM=SINGLE MODE
VAC=VOLTS, ALTERNATING CURRENTS
W=WATER LINE
WB=WESTBOUND
WWD=WRONG WAY DEVICE

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-02
					SR 618	HILLSBOROUGH	HI-0314-C2026		

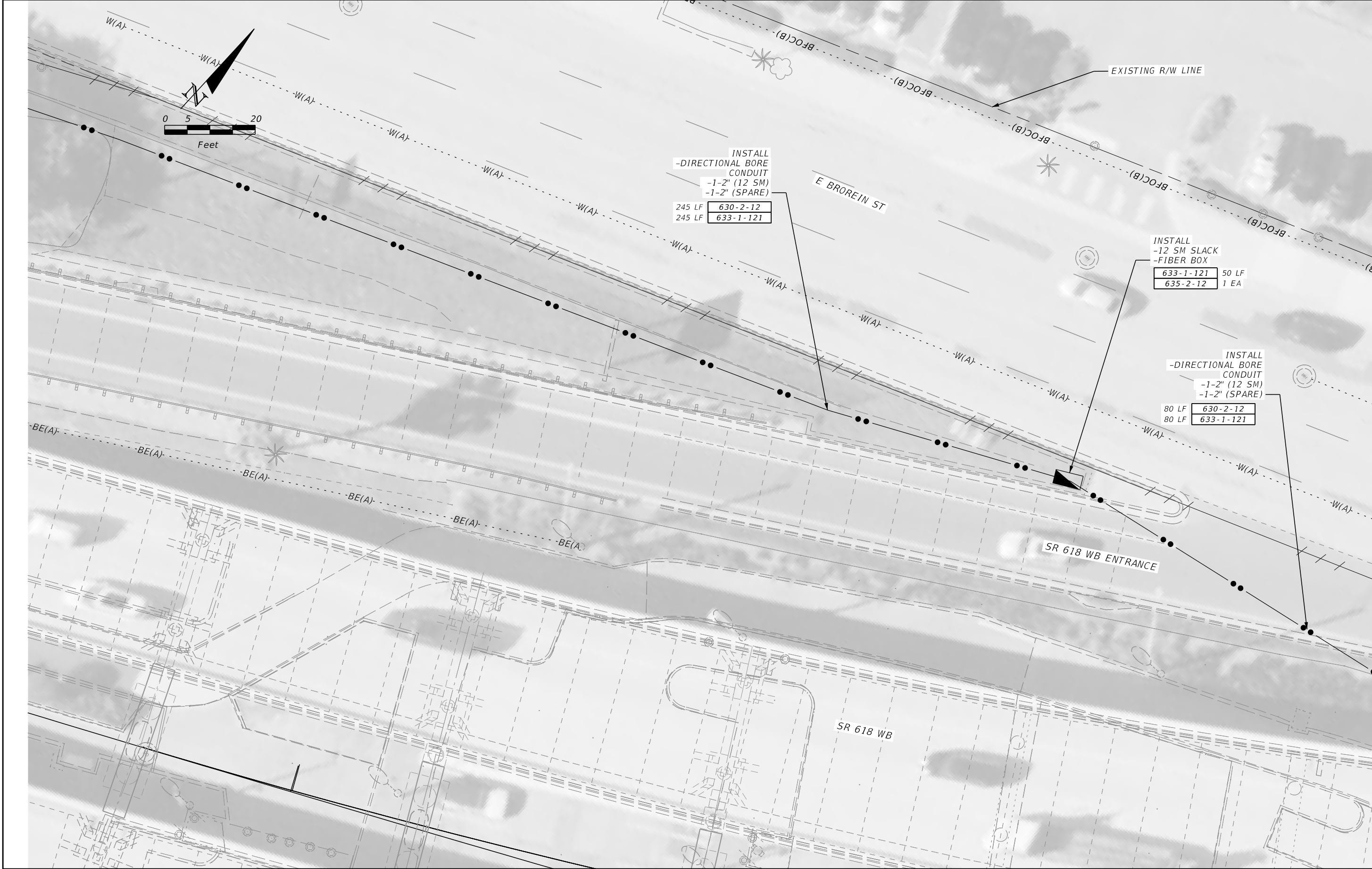
TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		
			IT-04		IT-05		IT-06		IT-07		IT-08		IT-09												
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN
101-1	MOBILIZATION	LS																				1		1	
102-1	MAINTENANCE OF TRAFFIC	LS																				1		1	
102-60	WORK ZONE SIGN	ED																				10800		10800	
102-74-1	CHANNELING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED																				800		800	
102-99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED																				207		207	
102-115	TYPE III BARRICADE	ED																				200		200	
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI																				0.32		0.32	
611-2-2	ITSFMLOCATION DOCUMENTATION- ITS SITE	EA																				1		1	
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF					160		260													420		420	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	290		325		260															875		875	
630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF							100		630		670									1400		1400	
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF					80		310		315		335									1040		1040	
633-1-121	FIBER OPTIC CABLE, F&I, UG, 12 FIBERS	LF	550		375		410															1335		1335	
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	12				12															24		24	
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	1				1															2		2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL - FIELD TERMINATED	EA					1															1		1	
633-3-17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	1				1															2		2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE,F&I, PATCH PANEL	EA	1																			1		1	
633-6	FIBER OPTIC CABLE LOCATOR	DA																				60		60	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA					3		1													4		4	
635-2-12	PULL & SPLICE BOX, 24"X36" COVER SIZE	EA	2		1		4															7		7	
635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA							1					2								3		3	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS					1															1		1	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF					65															65		65	
639-8-120	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), TECO (DO NOT BID)	LS																				1		1	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA					1															1		1	
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA					2															2		2	
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA					2		1				2									5		5	
670-5-180	TRAFFIC CONTROLLER ASSEMBLY, F&I, CALTRANS W/STANDARD LOCK	AS					1															1		1	
682-1-173	ITS CCTV CAMERA, NON-PRESSURIZED, IP, HIGH DEFINITION	EA					1															1		1	
684-1-3	MANAGED FIELD ETHERNET SWITCH, INSTALL	EA					1															1		1	
685-1-11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA					1															1		1	
685-2-1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA					1															1		1	
700-1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA							1													1		1	
700-1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA					2															2		2	
700-1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA							1													1		1	
700-141-112	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I GROUND MOUNT, W/BEACON, 12-20 SF OF STATIC SIGN PANELS	EA							1													1		1	
700-141-412	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I BARRIER SIDE MOUNT, W/BEACON, 12-20 SF OF STATIC SIGN PANELS	EA											2									2		2	
715-61-100	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 0' ARM LENGTH	EA					1															1		1	
715-61-200	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 0' ARM LENGTH	EA					1															1		1	

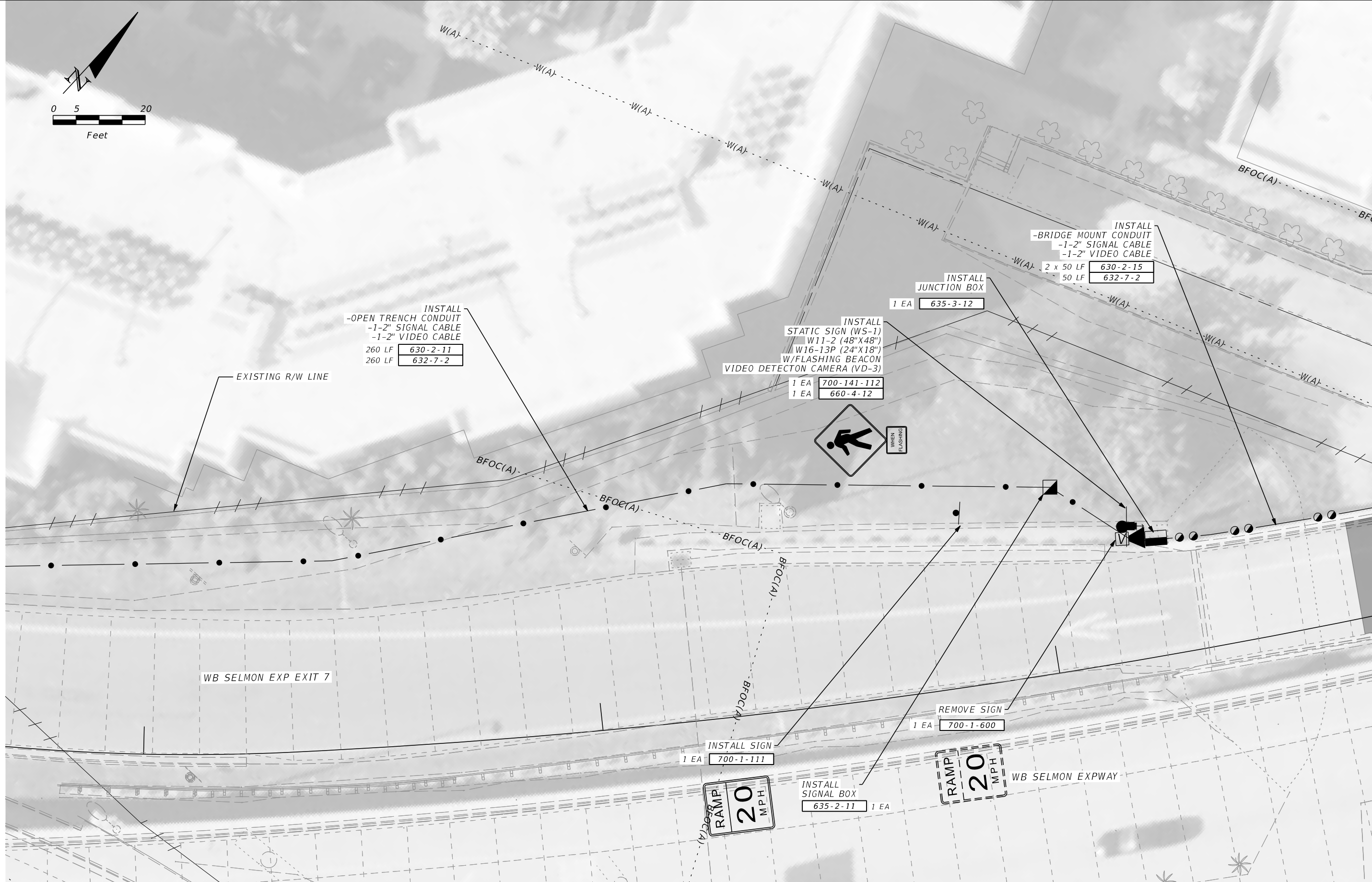


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO. IT-04
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		

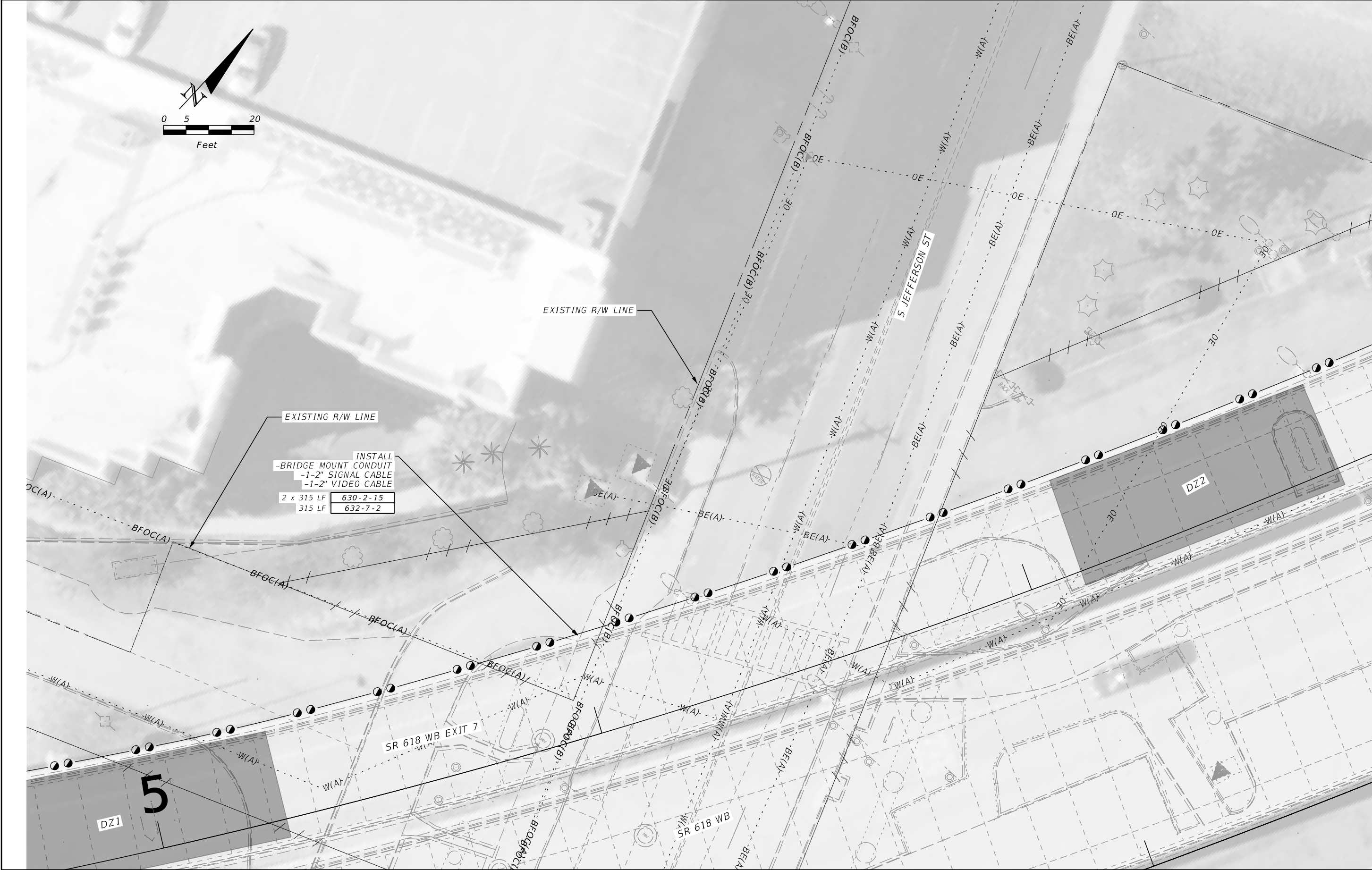
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

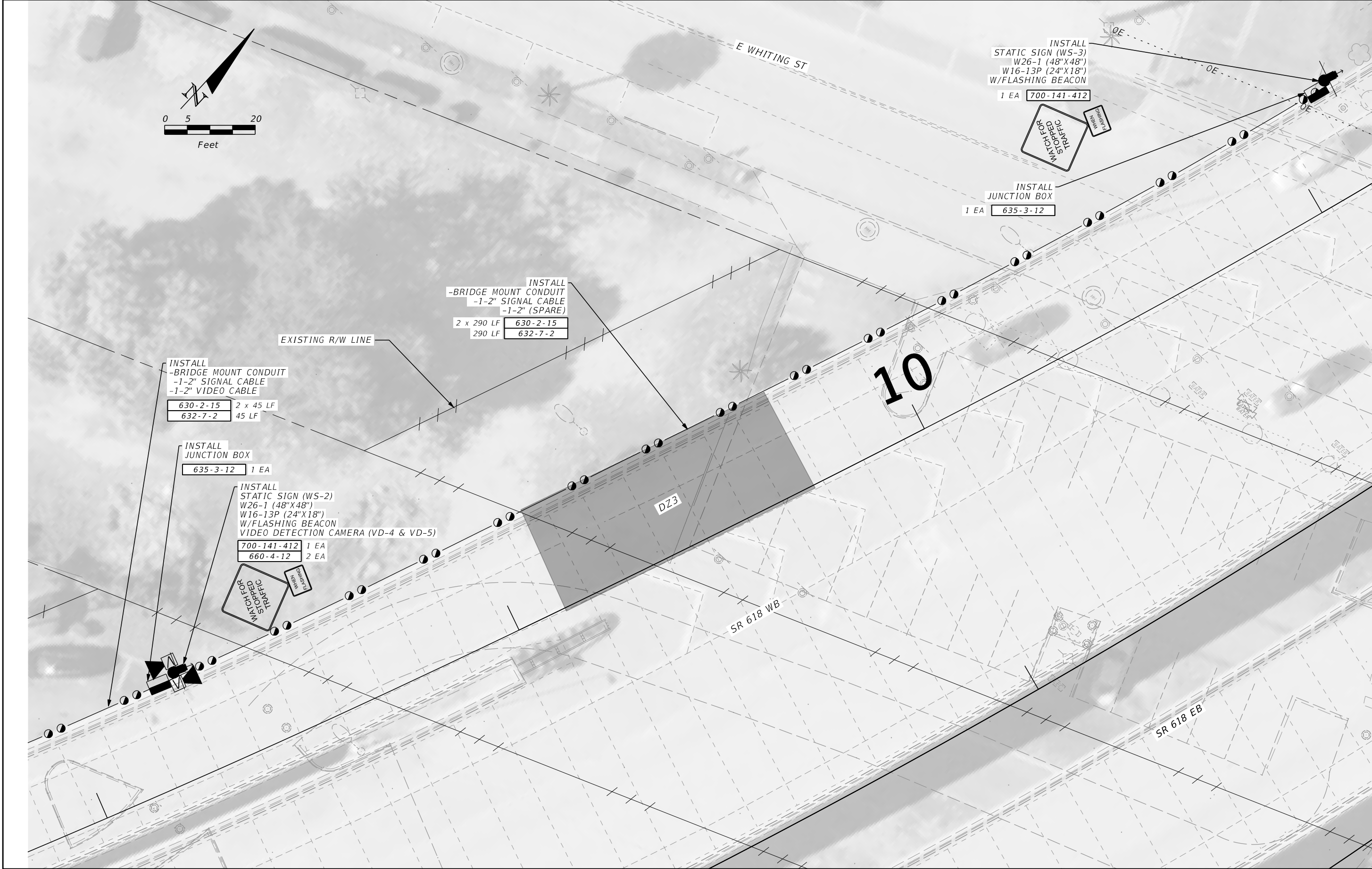


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-07
					SR 618	HILLSBOROUGH	HI-0314-C2026		

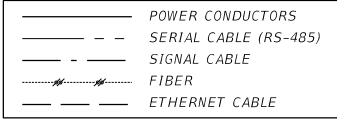
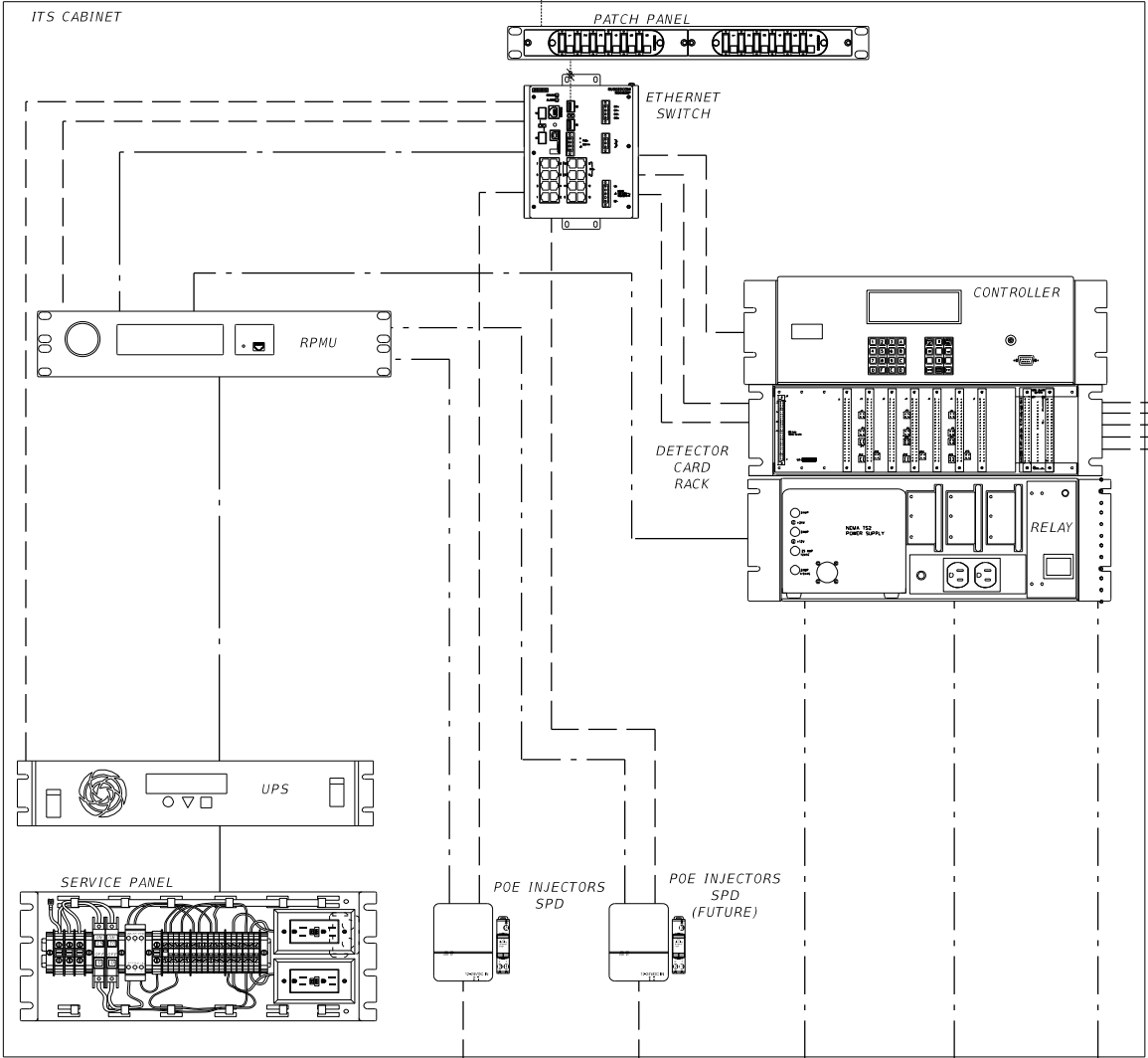
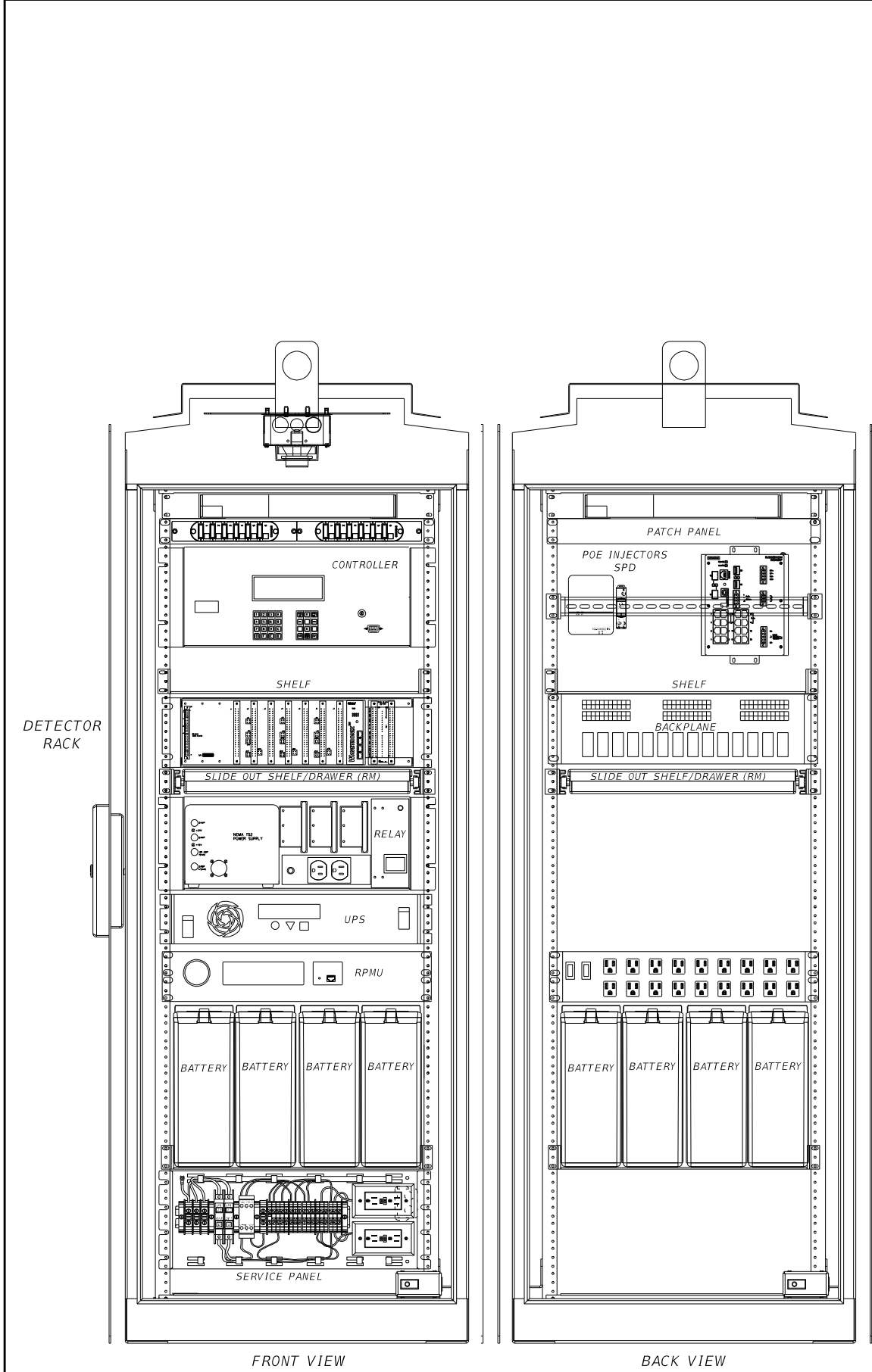


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

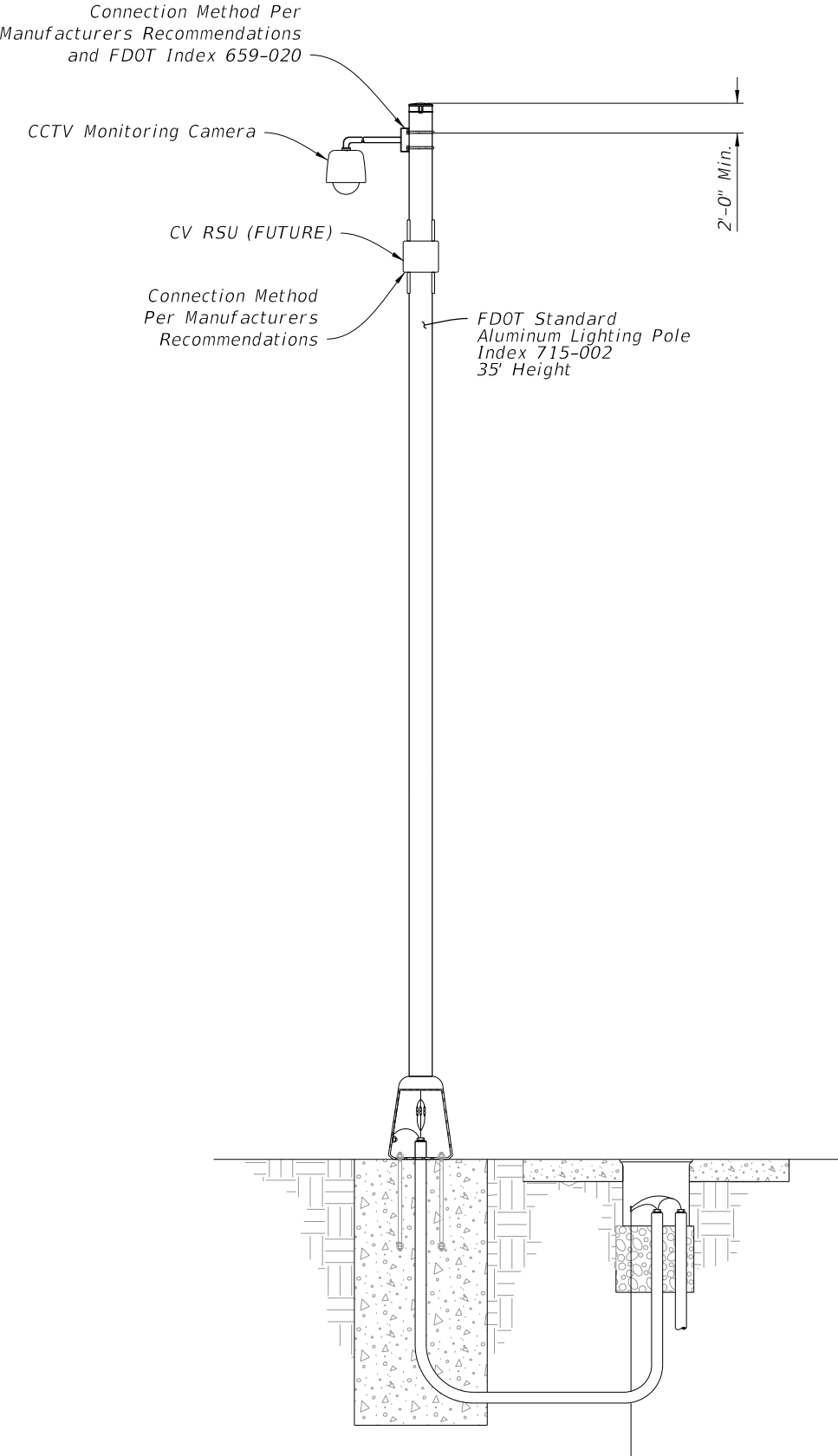
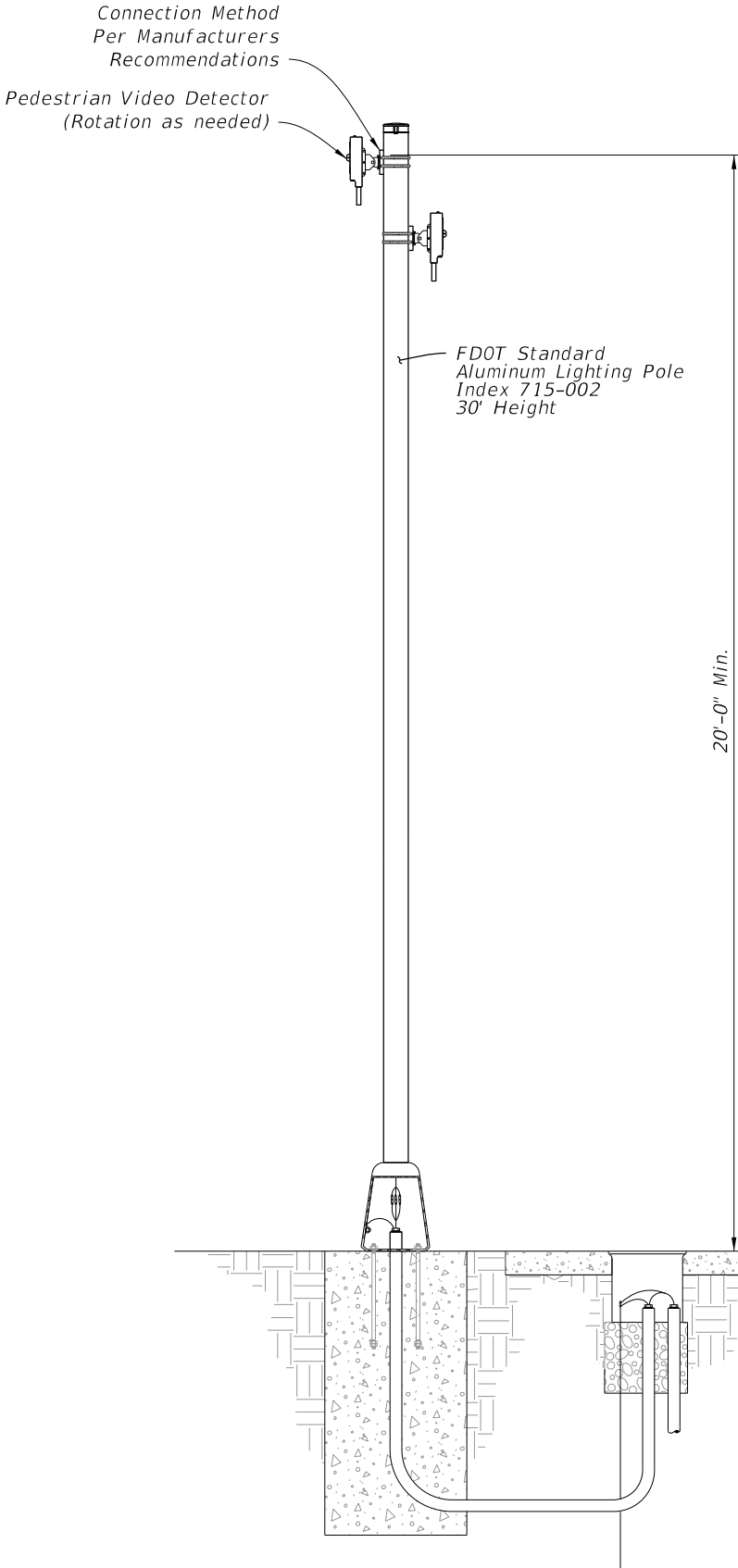


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

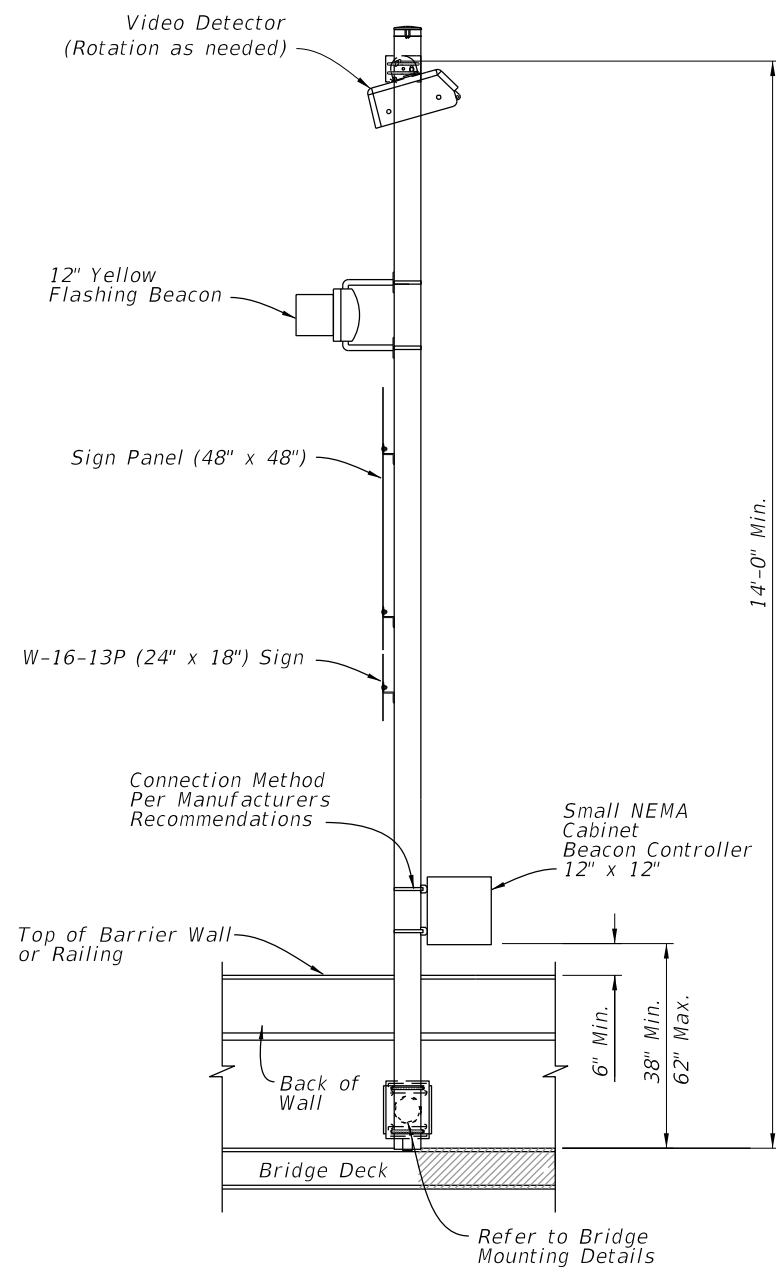


- NOTES:
1. THE CABINET SHALL PROVIDE FOR RACK MOUNTING AND SHELVING OF ALL EQUIPMENT.
 2. CABINETS SHALL BE TYPE 170 MODEL 336 AND FABRICATED IN ACCORDANCE TO SECTION 676 OF THE FDOT MINIMUM SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND DEVICES.
 3. BUS RATING SHALL BE A MINIMUM OF THE FULL ELECTRICAL LOAD WHEN ALL CABINET AND EXTERNAL DEVICES ARE ACTIVE.
 4. 19" DOUBLE DIN RAIL SHALL BE GROUNDED PER AND MANUFACTURER'S RECOMMENDATIONS.
 5. CONTRACTOR SHALL SUBMIT A CABINET LAYOUT/WIRING DIAGRAM FOR APPROVAL.
 6. EQUIPMENT PLACEMENT ARE TYPICAL.

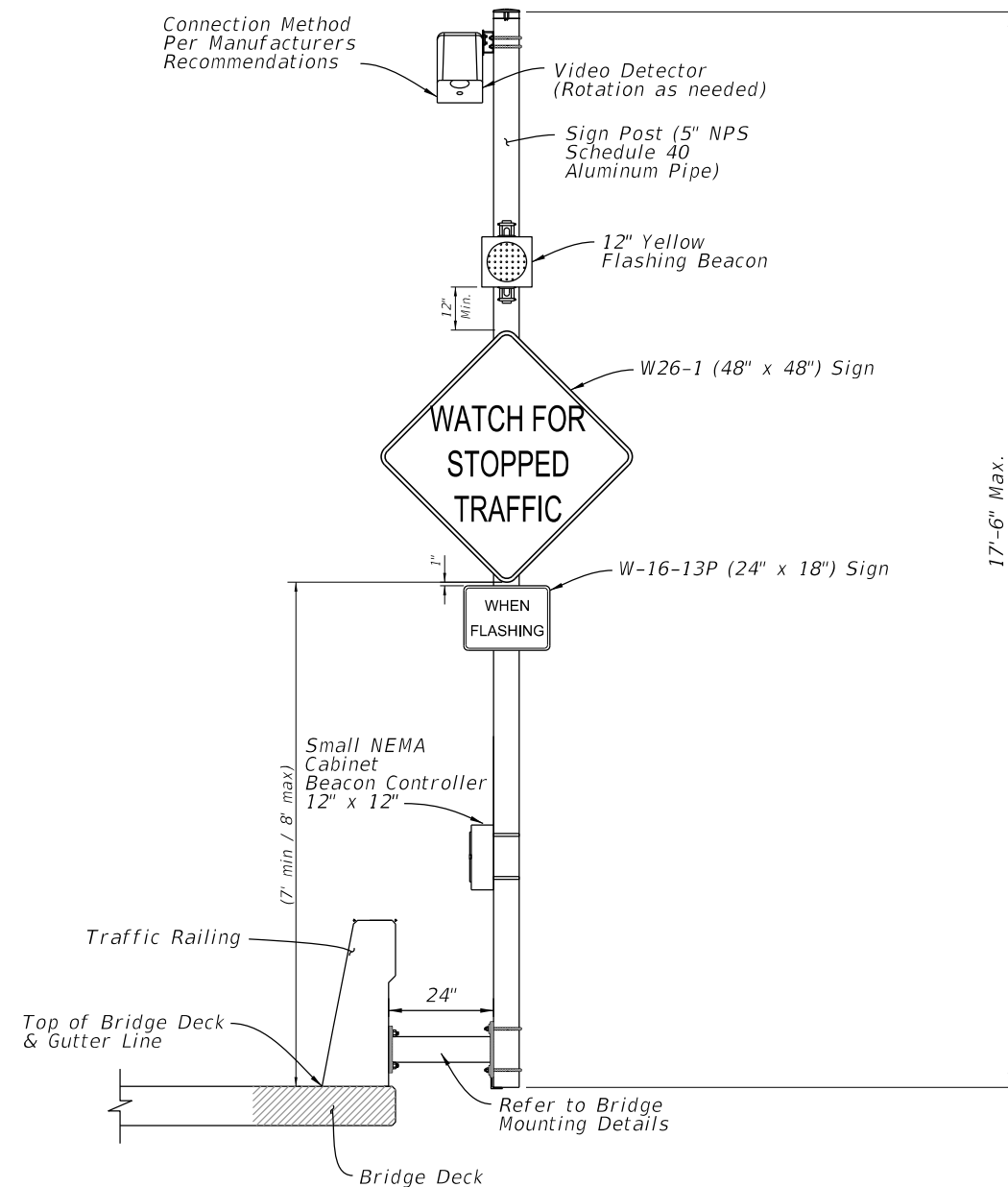
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS CABINET DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-10



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-11

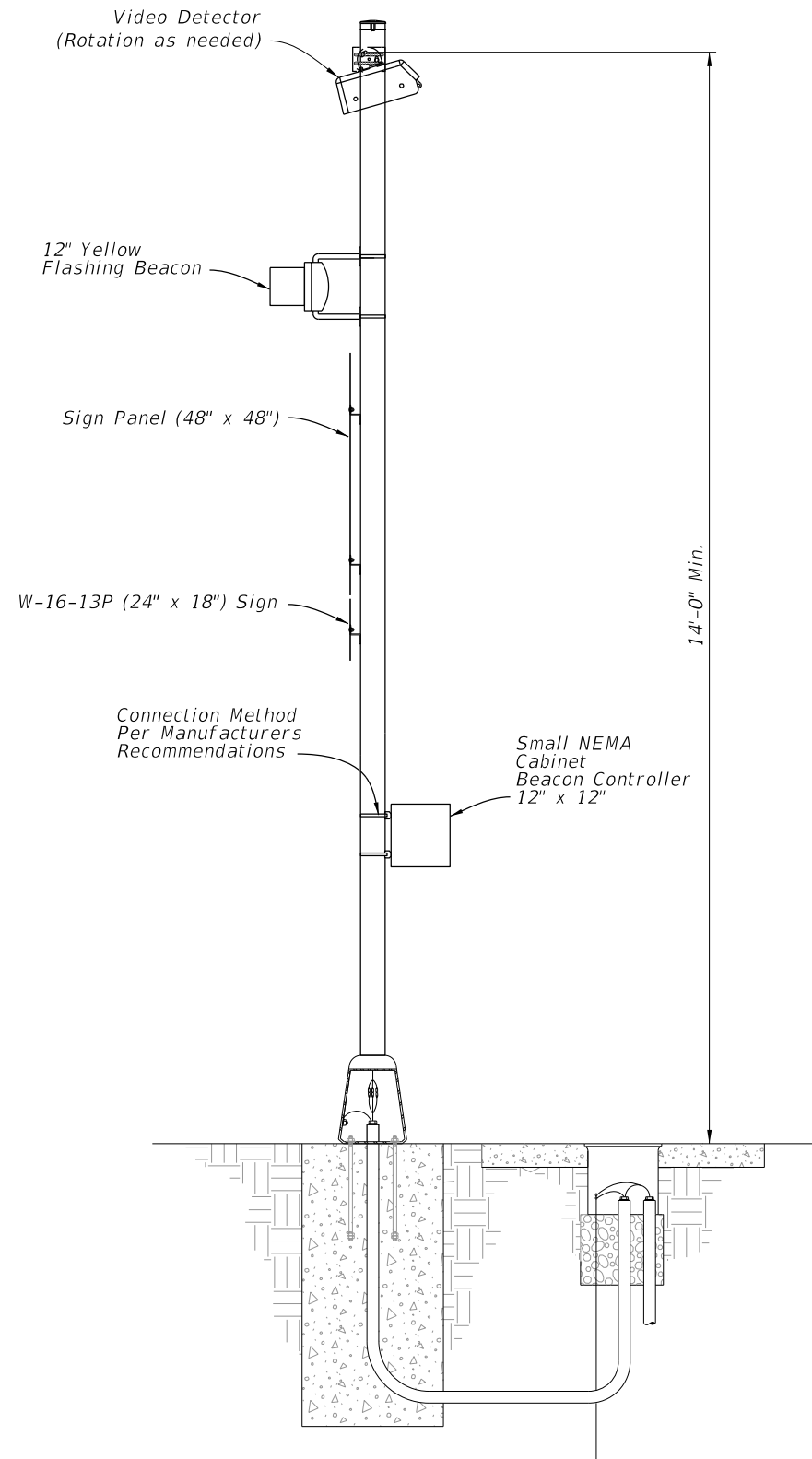


==BACK FACE OF RAILING ELEVATION==

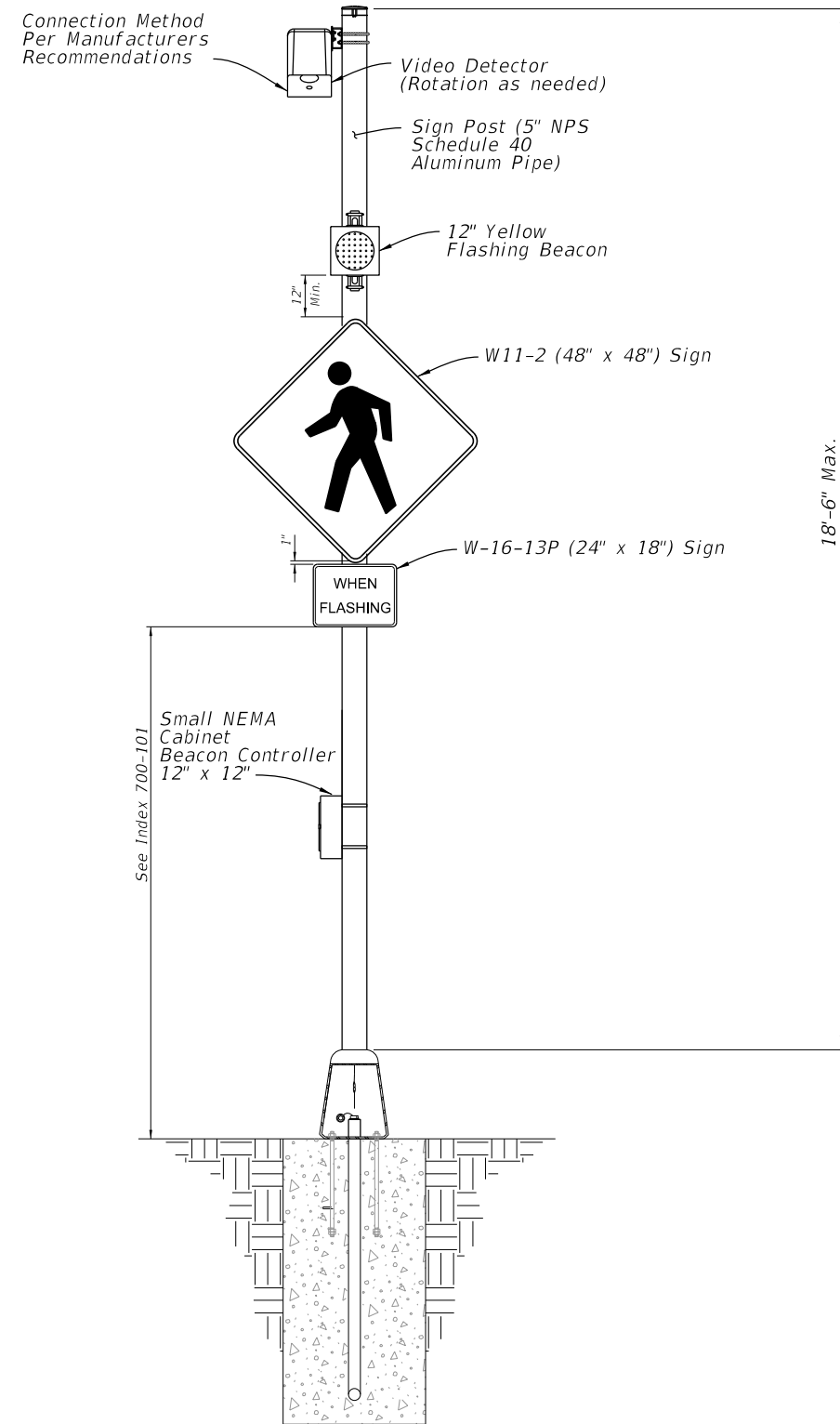


==SIDE ELEVATION==

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS		SHEET NO. IT-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 618	HILLSBOROUGH	HI-0314-C2026			

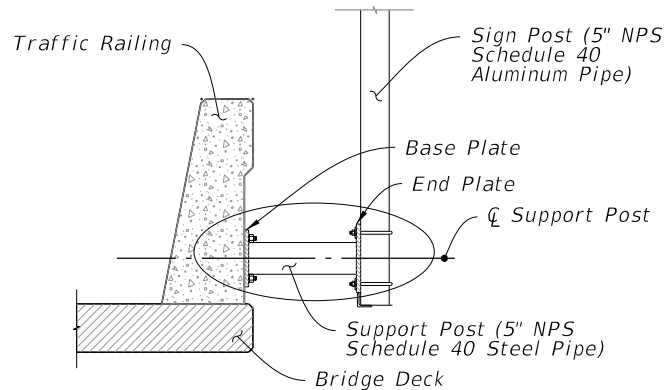


FRONT ELEVATION



SIDE ELEVATION

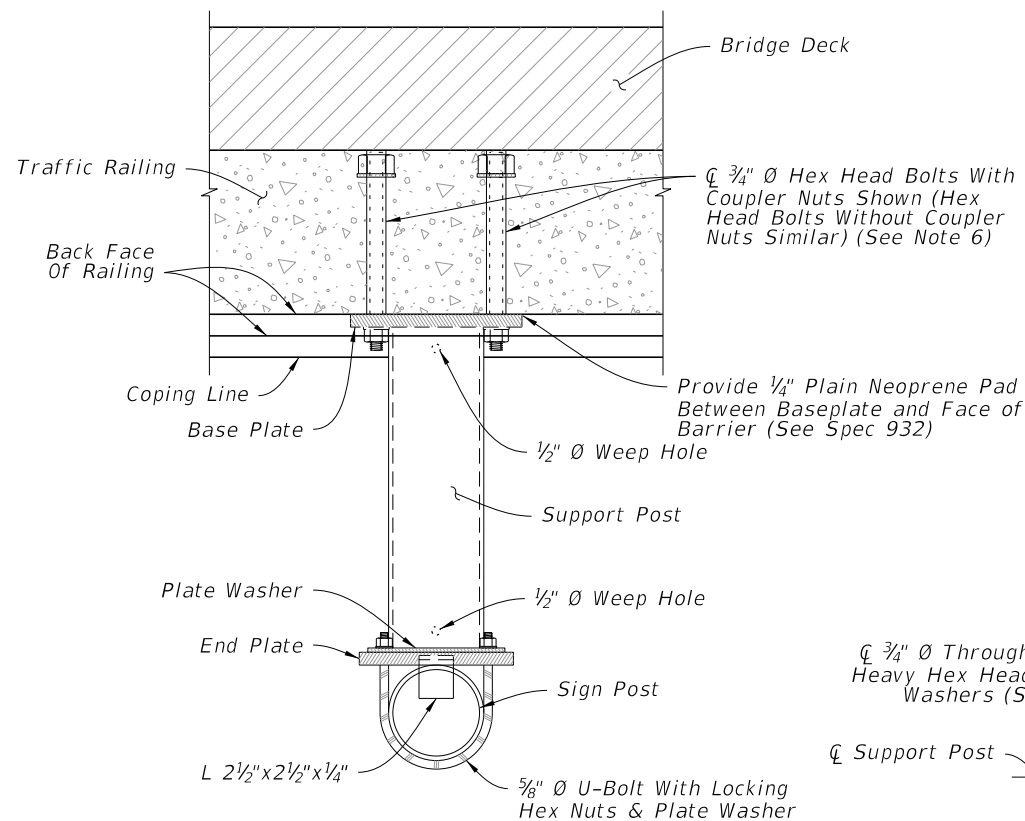
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-13



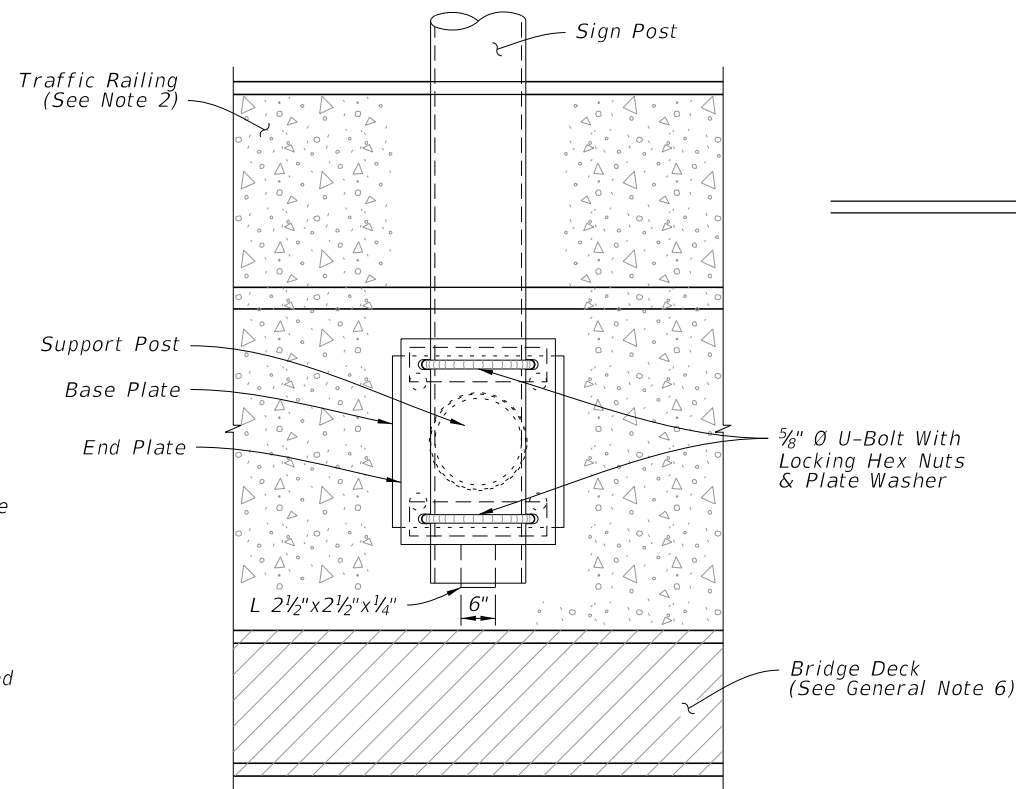
SIGN SUPPORT ASSEMBLY

NOTES:

- For Site Locations, See ITS Plans
- For Bridge Railing Type and Total Height, See Bridge Plans.
- Materials:
 - Steel Plate: ASTM A36 or ASTM A709 Grade 36
 - Steel Pipe (Support Post): ASTM A501 Schedule 40
 - Aluminum Pipe: ASTM 8429 Alloy 6061-T6
 - Galvanized U-Bolts, Nuts and Plate Washer
 - U-Bolts: ASTM A449
 - Hex Nuts: ASTM A 563 Lock Nuts
 - Plate Washer: ASTM A 36 or ASTM A709 Grade 36 or 50
 - Galvanized Anchor bolts, Nuts and Washers:
 - Anchor Bolts: ASTM F 1554 Grade 55 Grade A Hex
 - Nuts: ASTM A563 Heavy Hex Locking
 - Washers: ASTM F436
 - Weld Material: E70XX
- Coating:
 - U-Bolts, Threaded Rods, Nuts and Washers: ASTM F2329
 - Other Steel: ASTM A123
- Fabrication:
 - Weld: Specification 460-6.4
 - Hot dip galvanize after fabrication
- Construction:
 - Locate Sensor Support a maximum of 15 feet from the centerline of the nearest pier or end bent and a minimum of 5 feet from an open joint or transition.
 - Locate existing conduits and reinforcement prior to drilling and adjust placement of base plate as necessary to avoid damaging existing conduits and reinforcement. Base plate must be flush with back of Traffic Railing.
 - For through bolting, countersink the nut and washer so that the bolt and nut does not extend beyond the face of the traffic railing. Do not exceed a countersink depth and diameter of 2½".

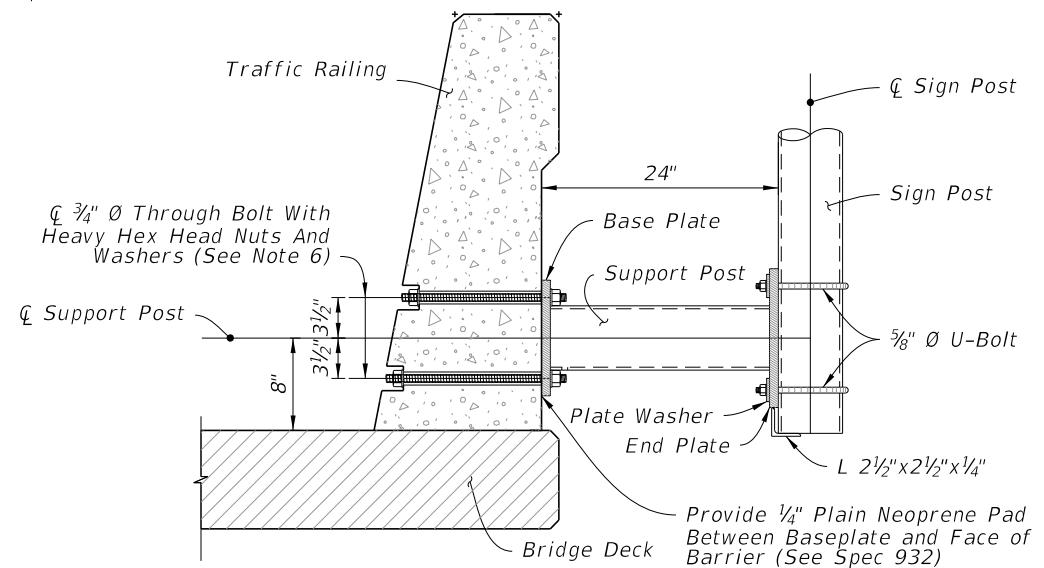


PLAN



ELEVATION

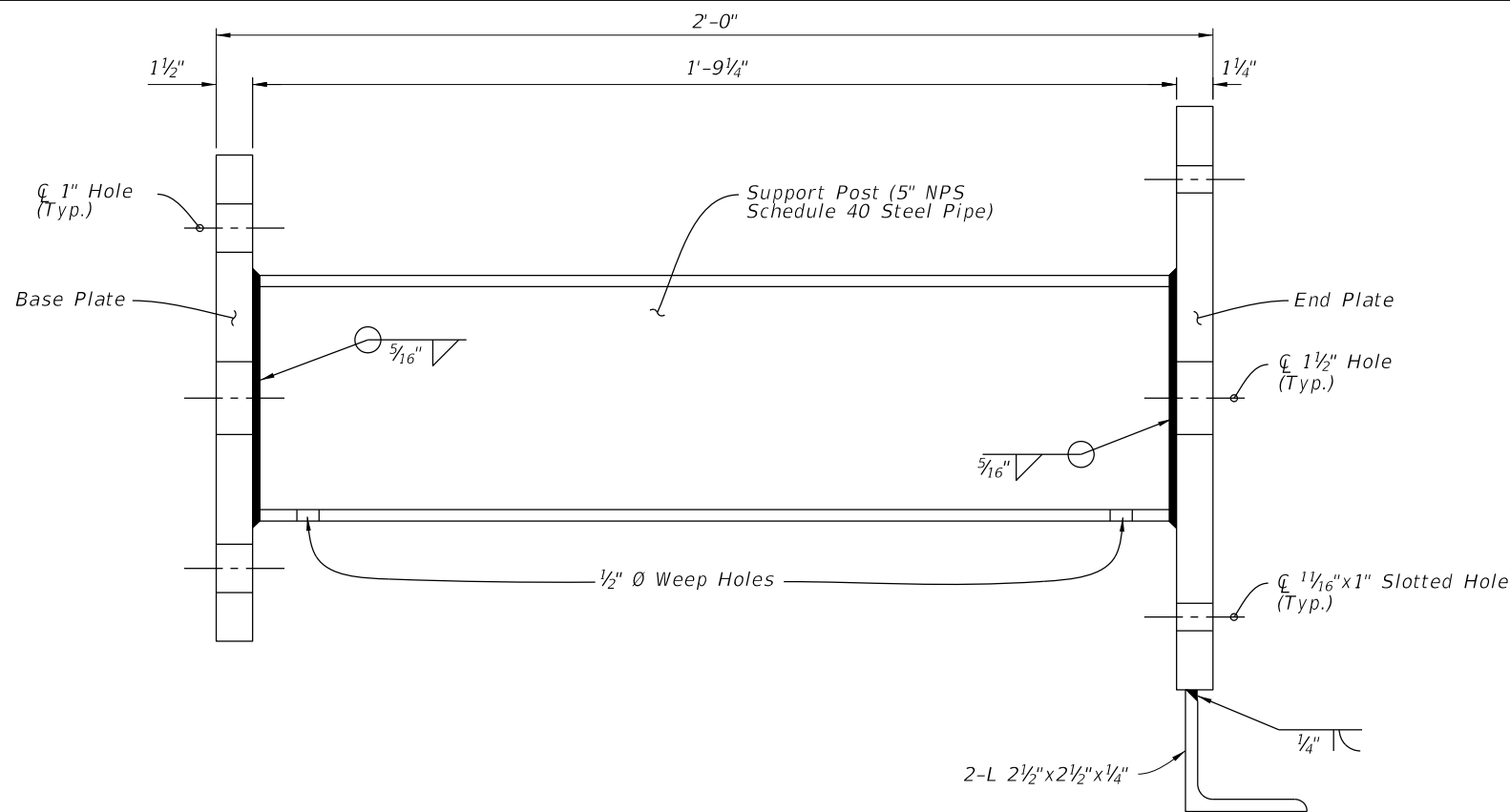
SUPPORT BRACKET



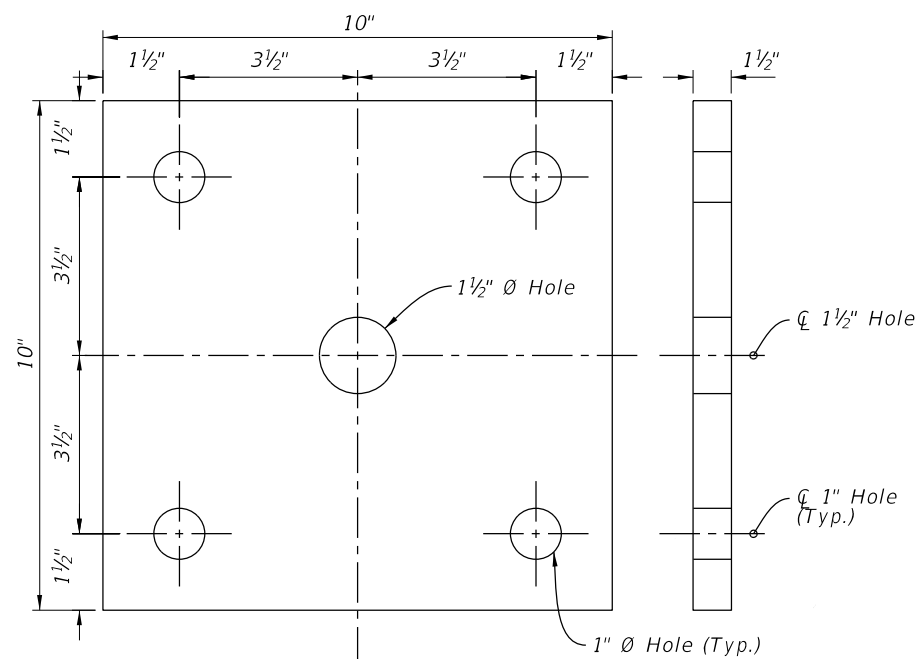
THROUGH BOLTING

TYPICAL SECTION - EXISTING RAILING

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			BRIDGE MOUNTING DETAILS	SHEET NO. IT-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		

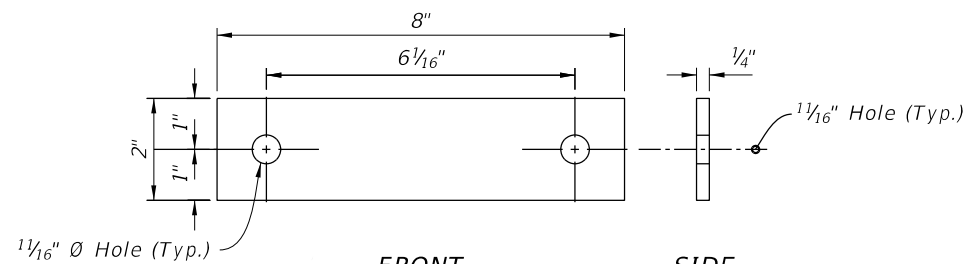


SIGN SUPPORT WELDMENT DETAIL



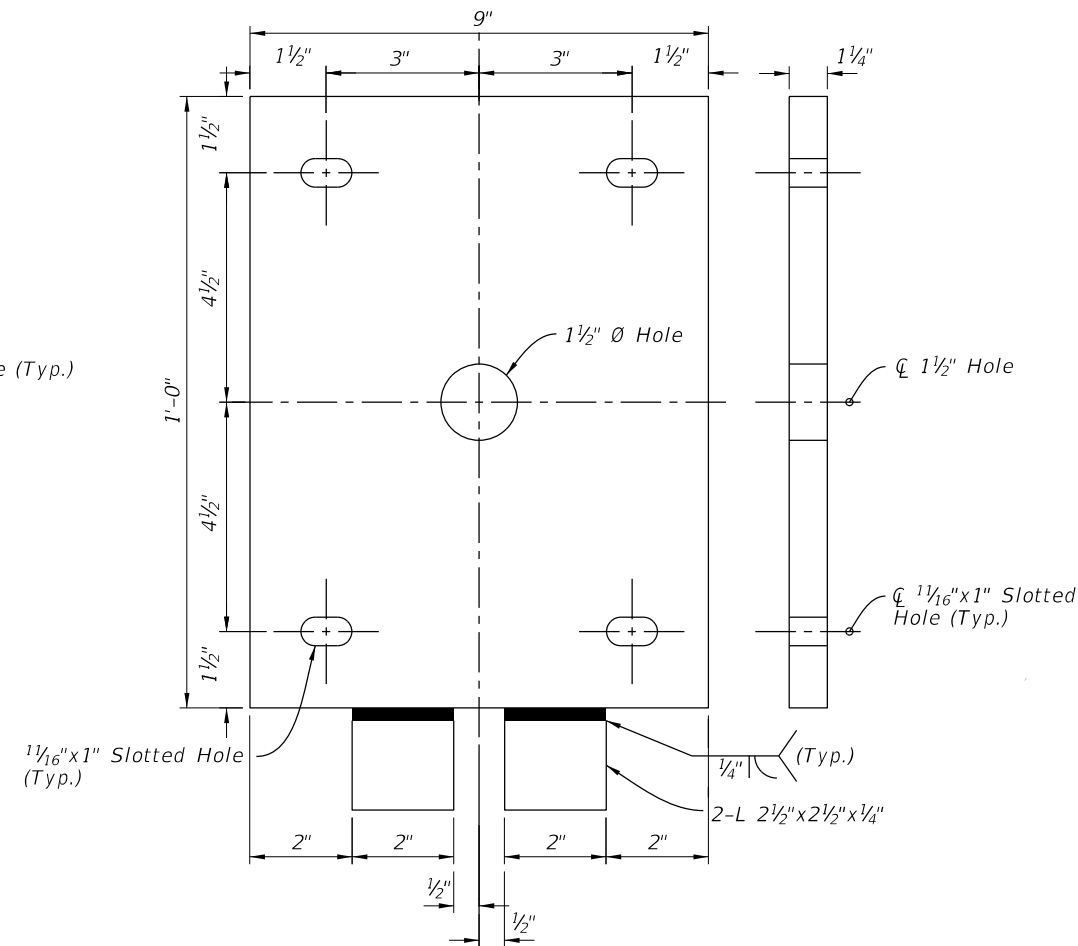
FRONT SIDE

BASE PLATE



FRONT SIDE

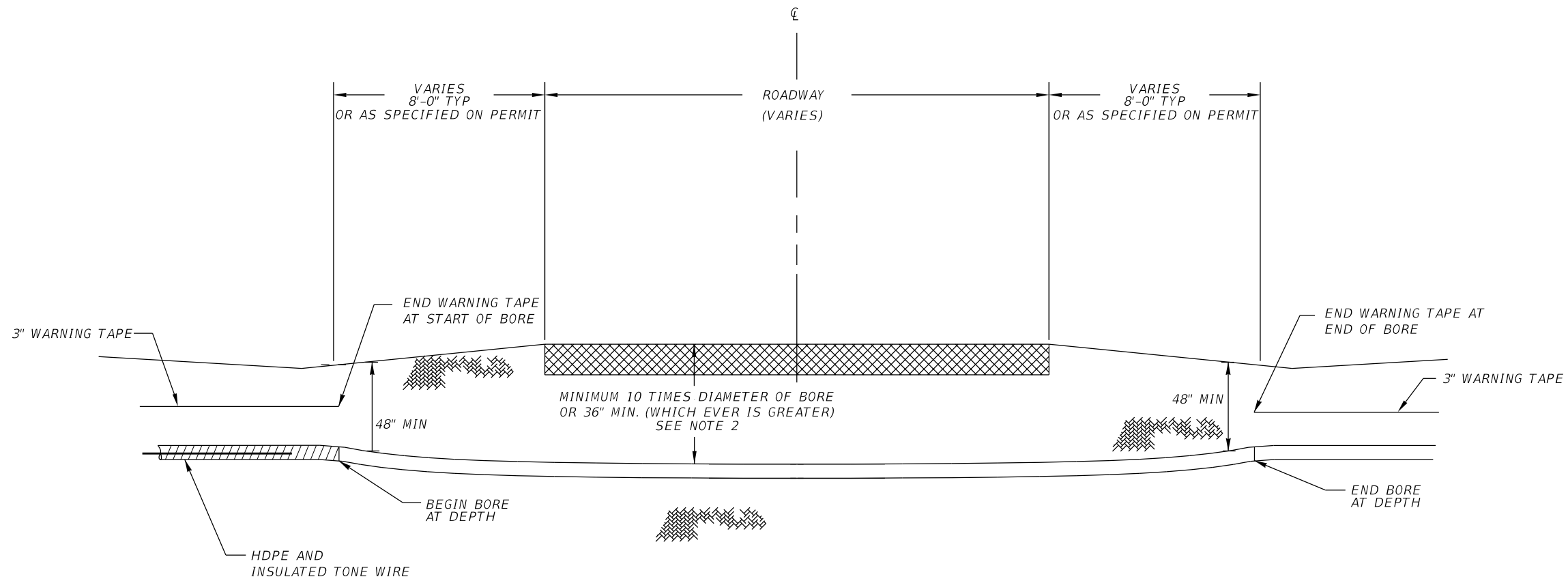
U-BOLT PLATE WASHER



FRONT SIDE

BASE PLATE

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			BRIDGE MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-15



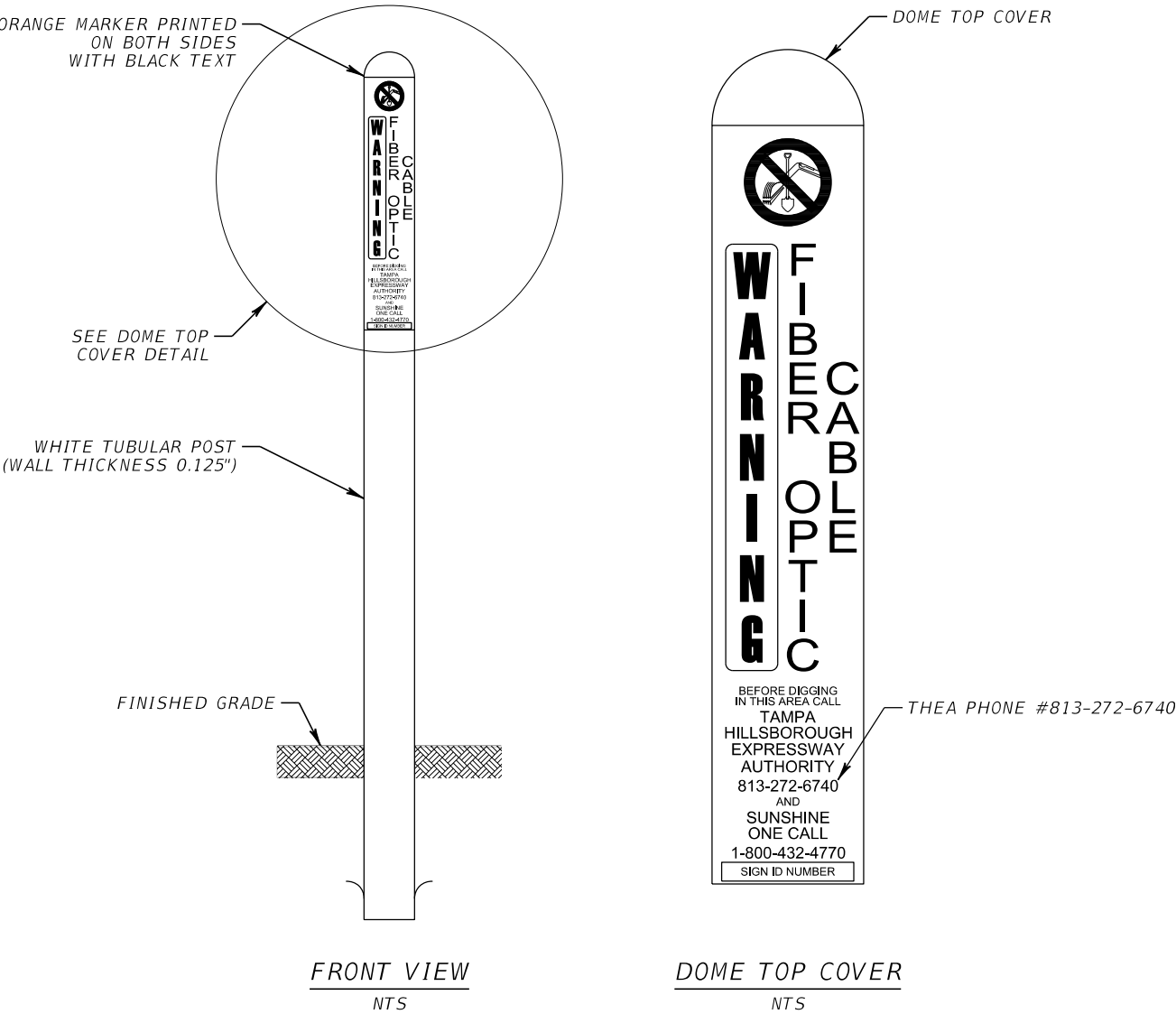
TYPICAL DIRECTIONAL BORE
N.T.S.

NOTES:

1. UTILITY IN THE PATH OF THE BORE SHALL BE LOCATED AND THE DEPTH OF THE BORE CROSSING SHALL BE DELINEATED TO CROSS UNDER OR OVER UTILITY WITH 12" MINIMUM SEPARATION.
2. HORIZONTAL DEPTH SHALL BE IN ACCORDANCE WITH FDOT UTILITY ACCOMMODATION MANUAL (2017)

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			DIRECTIONAL BORE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-16

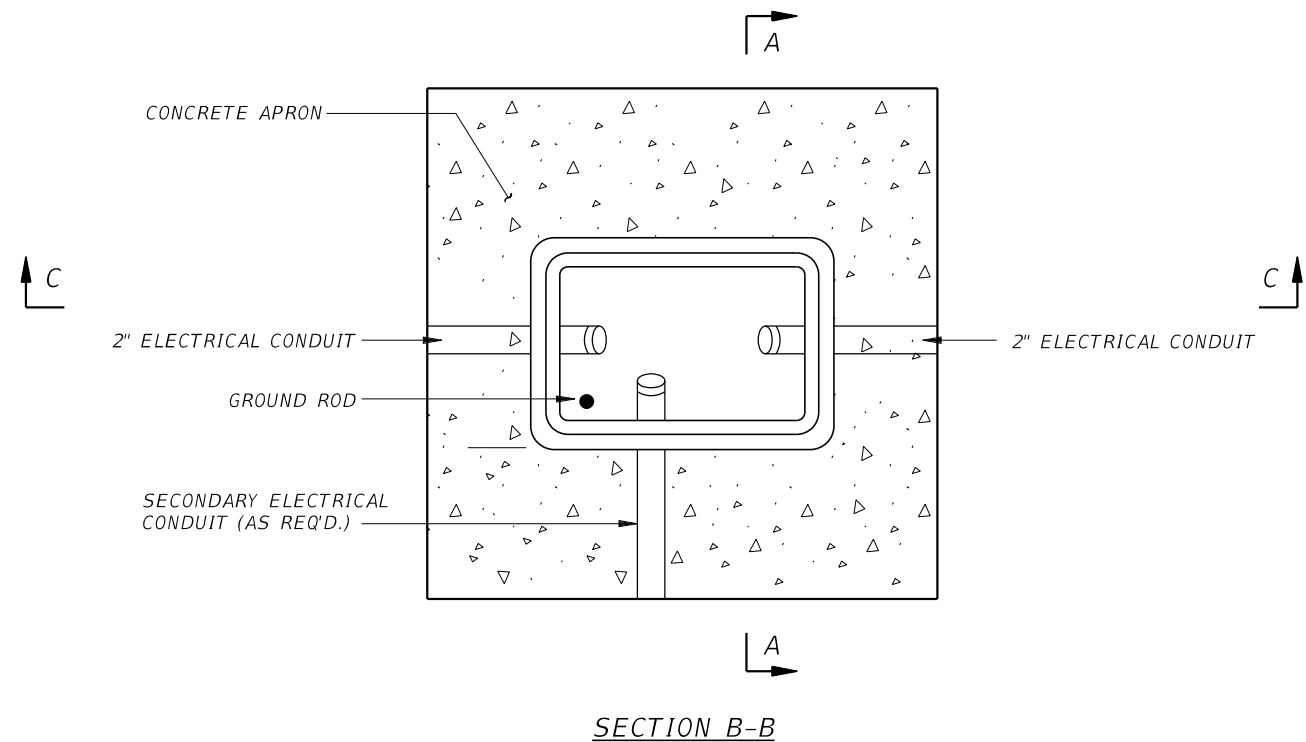
THEA FIBER OPTIC CABLE ROUTE MARKER



NOTES:

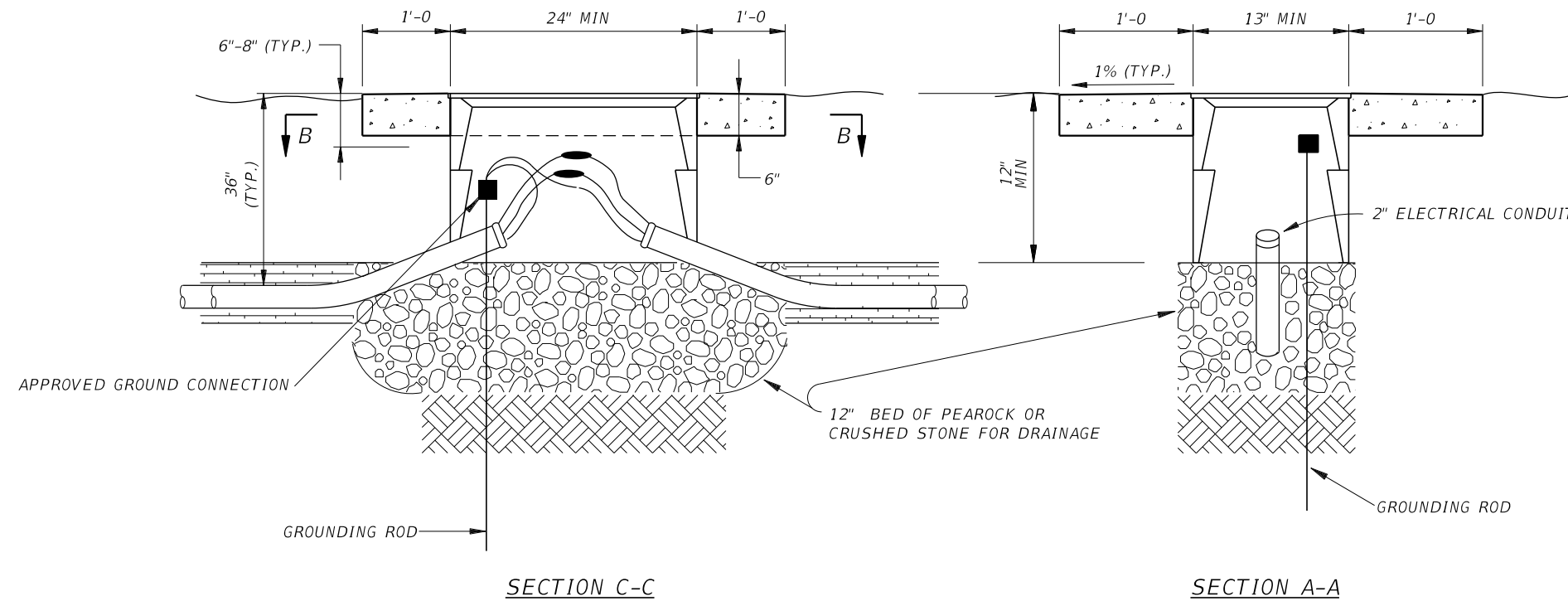
- FOR TRENCH LINES WITH BOTH FIBER OPTIC CABLE AND ELECTRICAL SERVICE WIRE, INSTALL ELECTRICAL MARKER NEXT TO FIBER MARKER. CONTRACTOR TO CONFIRM CONTACT INFORMATION PHONE NUMBERS PRIOR TO PROCURING ROUTE MARKERS.
- A DOME TOP COVER SHALL BE INSTALLED ON EACH MARKER:
ORANGE FOR FIBER AND RED FOR ELECTRICAL.
- POST EMBEDMENT AND ANCHORING SHALL CONFORM TO MANUFACTURES RECOMMENDATIONS.

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ROUTE MARKER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-17

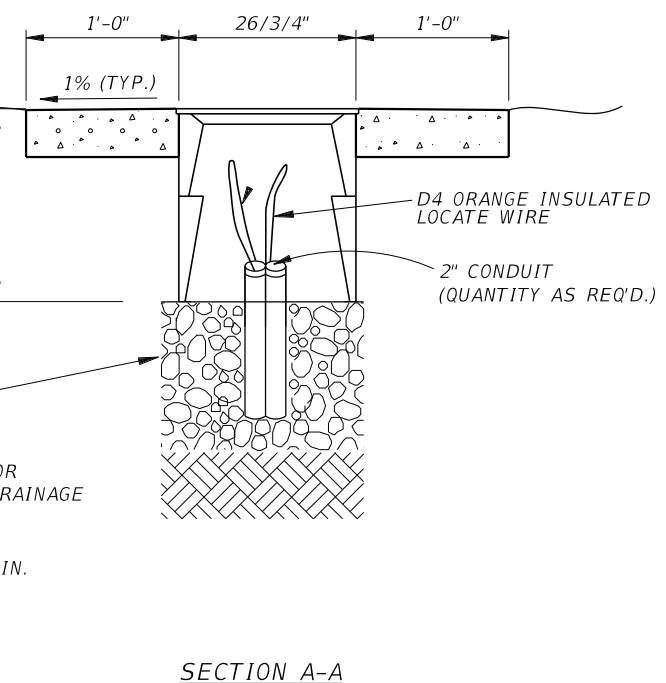
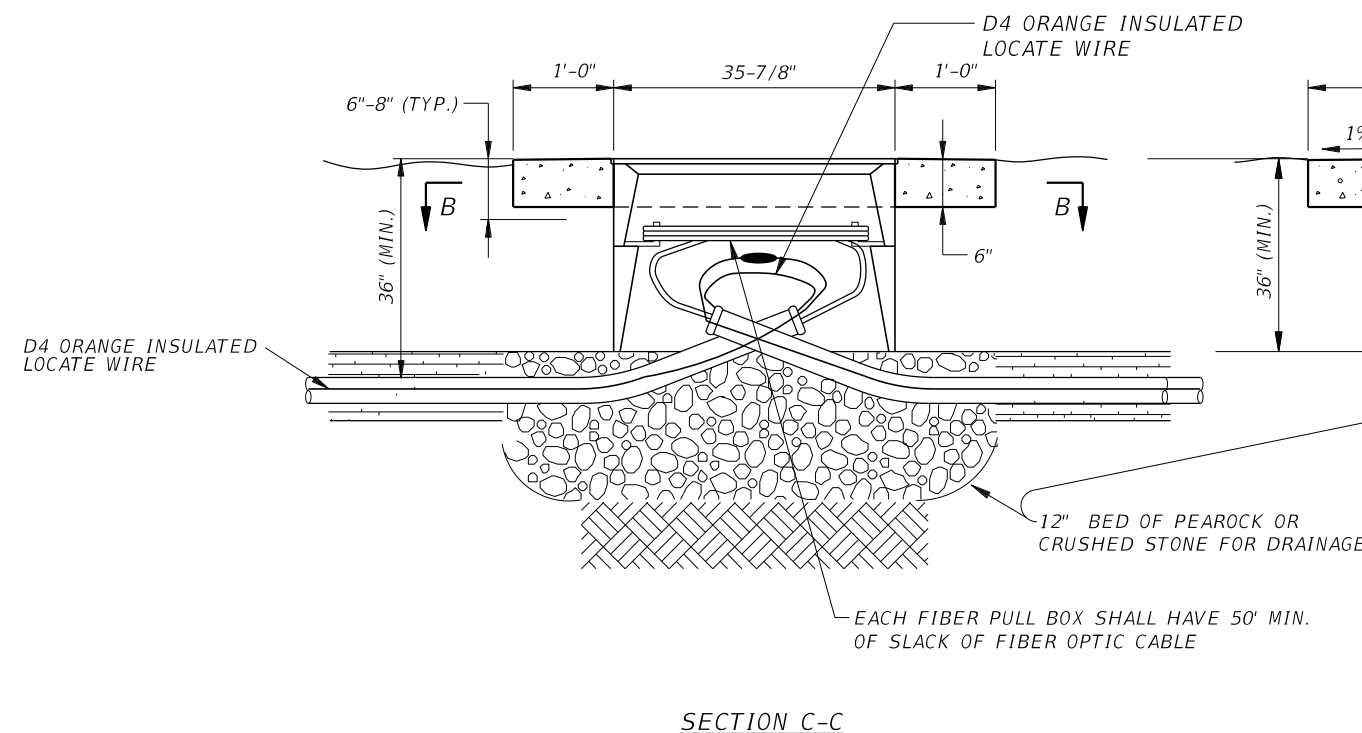
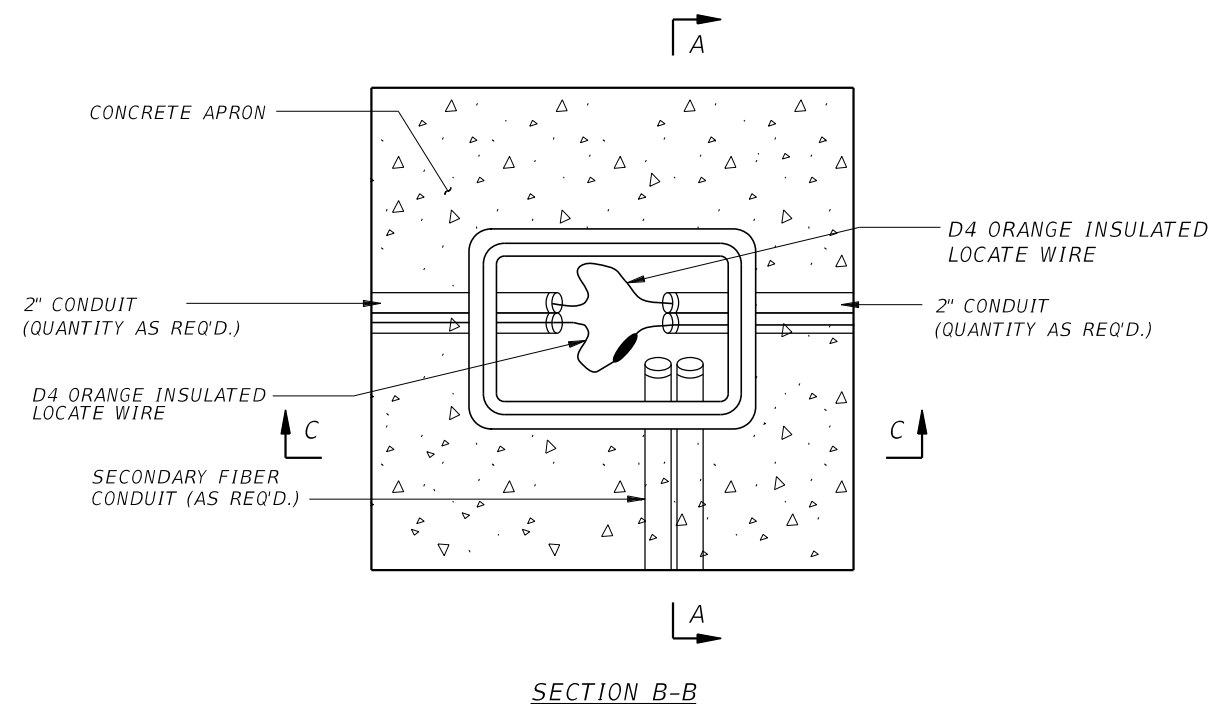


NOTES:

1. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
2. ALL FIBER OPTIC, SIGNAL, & ELECTRIC PULL BOXES SHALL HAVE MINIMUM 1'-0" WIDE x 6" DEEP CONC APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
3. ALL SPLICES SHALL BE MADE IN PULLBOX PROPERLY TAPED AND WEATHERPROOFED.
4. ALL ELECTRICAL SPLICE LOCATIONS SHALL USE POLARIS TAPS OR OTHER METHOD APPROVED BY THE ENGINEER (PER RFP ATTACHMENT L, SECTION 10.1).
5. ELECTRICAL PULL BOX COVERS LABELING TO BE DETERMINED FOR NEXT SUBMITTAL.

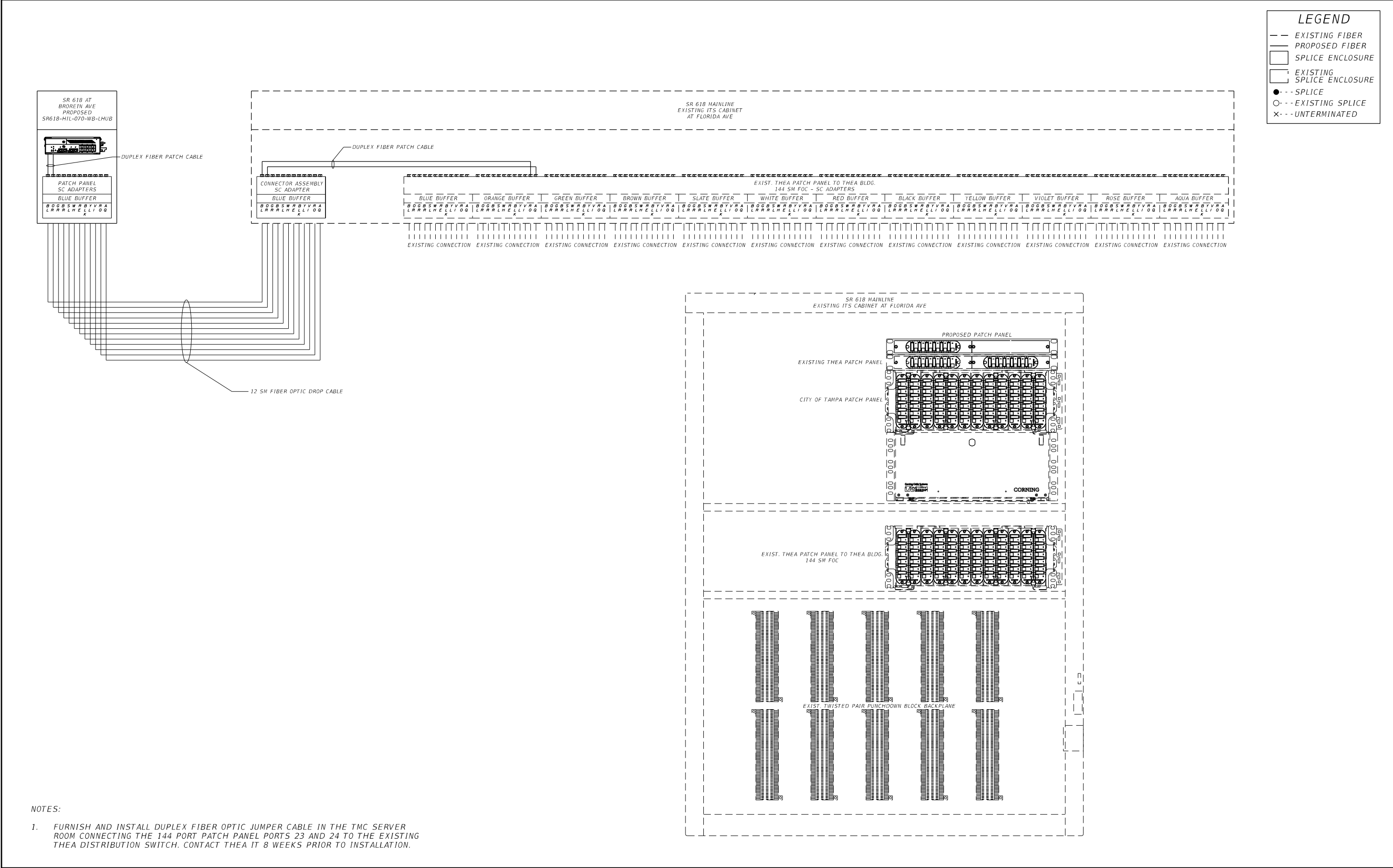


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			<i>ELECTRICAL PULL BOX DETAIL</i>	SHEET NO. IT-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		



- NOTES:
1. REFER TO FLORIDA DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2026 SECTION 635 FOR PULL BOX REQUIREMENTS.
 2. FIBER OPTIC PULL BOXES SHALL NOT CONTAIN ELECTRICAL CONDUIT OR CONDUCTOR. ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE INSTALLED IN SEPARATE PULL BOXES.
 3. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
 4. ALL PULL BOXES SHALL HAVE MINIMUM 1'- 0" WIDE x 6" DEEP CONCRETE APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
 5. FIBER OPTIC SPLICE BOX SHALL NOT BE INSTALLED IN ROADWAYS OR DRIVEWAYS.
 6. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF SPLICE BOX TO FACILITATE CABLE PULLING.
 7. SPARE FIBER OPTIC CABLE IS TO BE WOUND NEATLY AND CAREFULLY, AS NOT TO EXCEED THE MINIMUM ALLOWABLE BENDING RADIUS OF THE FIBER OPTIC CABLE.
 8. 5/8" COPPER BONDED GROUND RODS SHALL BE USED.
 9. GROUNDING WIRES SHALL BE EXOTHERMIC ALLY WELDED TO GROUND RODS
 10. NOTE THAT THE DIMENSIONS SHOWN ARE THE TYPICAL DIMENSIONS AND MANY VARY SLIGHTLY DEPENDING ON THE MANUFACTURER.
 11. FIBER BOX COVER LABELING TO BE DETERMINED FOR NEXT SUBMITTAL.

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			FIBER PULL BOX DETAIL		SHEET NO. IT-19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 618	HILLSBOROUGH	HI-0314-C2026			



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			SPLICING DIAGRAM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-20
					SR 618	HILLSBOROUGH	HI-0314-C2026		

KEYED NOTES:

- 1

PULL BOX
- 1X

EXISTING PULL BOX
- 2

PROPOSED SERVICE WIRE
- 2X

EXISTING SERVICE WIRE
- 3

PROPOSED GENERATOR
- 3X

EXISTING GENERATOR
- 4

PROPOSED ITS CABINET W/CIRCUIT BREAKER & SPD
- 4X

EXISTING ITS CABINET W/CIRCUIT BREAKER & SPD
- 5

PROPOSED NEMA ENCLOSURE
- 5X

EXISTING NEMA ENCLOSURE
- 6

PROPOSED TRANSFORMER
- 6X

EXISTING TRANSFORMER
- 7

PROPOSED AUTOMATIC TRANSFER SWITCH
- 7X

EXISTING AUTOMATIC TRANSFER SWITCH
- 8

PROPOSED FUSED DISCONNECT
- 8X

EXISTING FUSED DISCONNECT
- 9

PROPOSED HDPE CONDUIT
- 9X

EXISTING HDPE CONDUIT
- 10

PROPOSED RIGID GALVANIZED STEEL CONDUIT
- 10X

EXISTING RIGID GALVANIZED STEEL CONDUIT
- 11

PROPOSED FLEX CONDUIT
- 11X

EXISTING FLEX CONDUIT
- 12

PROPOSED COPPER CLAD GROUND ROD(S) 5/8 " DIA. x 20' MIN.
(PER FDOT INDEX 64I-020)
- 12X

EXISTING COPPER CLAD GROUND ROD(S) 5/8 " DIA.
- 13

PROPOSED METER CAN
- 13X

EXISTING METER CAN
- 14

PROPOSED DMS SIGN
- 14X

EXISTING DMS SIGN
- 15

PROPOSED HUB BREAKER PANEL
- 16

PROPOSED CCTV CABLING
- 16X

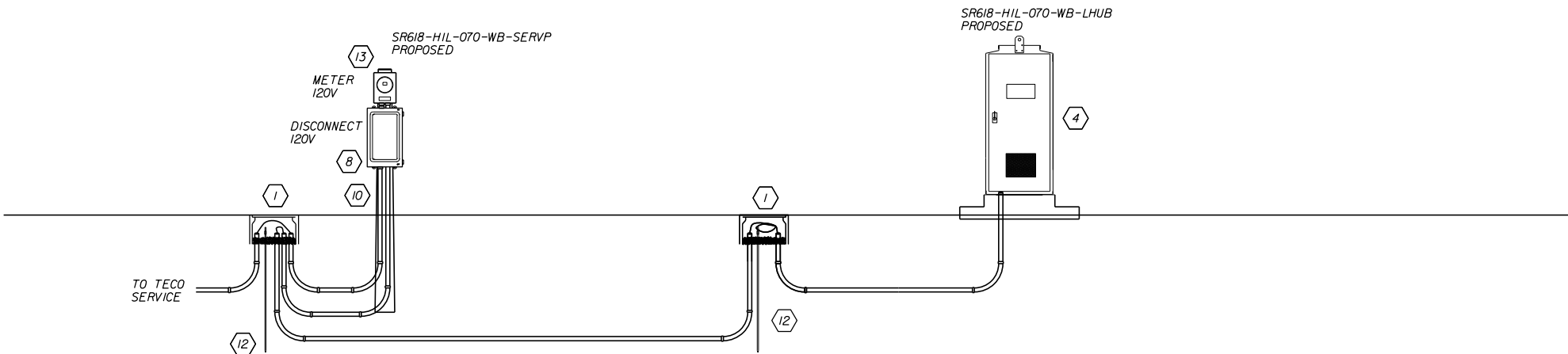
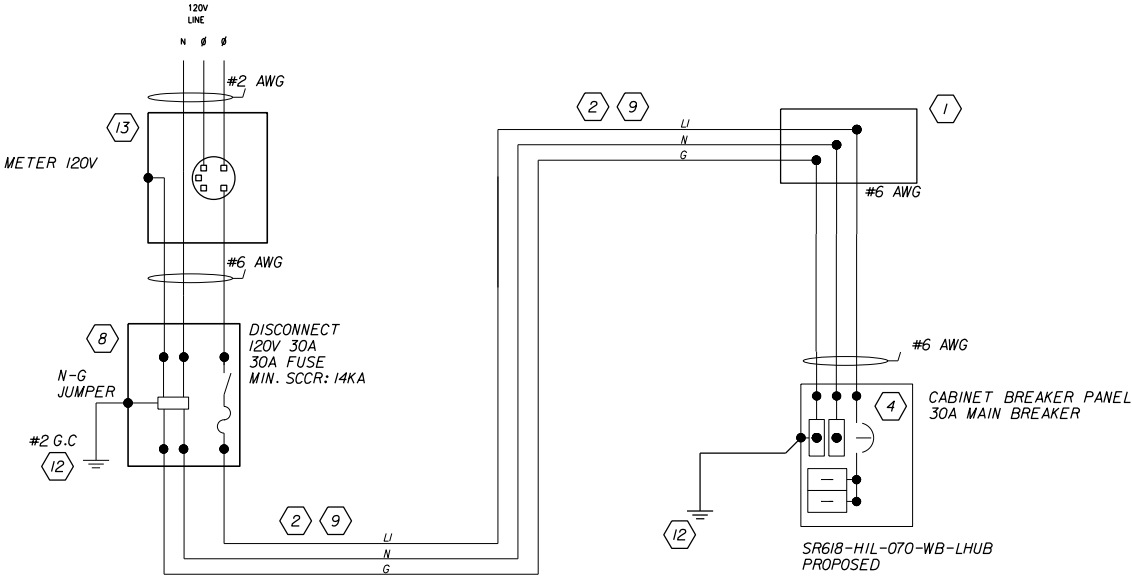
EXISTING CCTV CABLING
- 17

PROPOSED MVDS CABLING
- 17X

EXISTING MVDS CABLING
- 18

PROPOSED BRIDGE MOUNT (SCHEDULE 80) CONDUIT

- NOTES:
1. CONDUCTOR SIZE AND QUANTITY VARIES. SEE PLAN SHEETS.
2. PULL BOXES LOCATION AND QUANTITY VARIES. SEE PLAN SHEETS.
3. CONDUIT SIZE AND QUANTITY VARIES. SEE PLAN SHEETS.
4. GROUNDING CONDUCTOR: FOR ITS ELECTRICAL SYSTEM USE SOLID #6 AWG COPPER INSULATED (GREEN) CONDUCTOR FROM SYSTEM GROUND BUS TO GROUNDING ELECTRODE ASSEMBLY OR AS SPECIFIED BELOW.
FOR CONCRETE POLES AND DMS STRUCTURES USE #2 AWG TIN-PLATED BARE SOLID COPPER WIRE PER FDOT INDEX 64I-020.



CIRCUIT 1

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ELECTRICAL SERVICE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-21

GENERAL NOTES

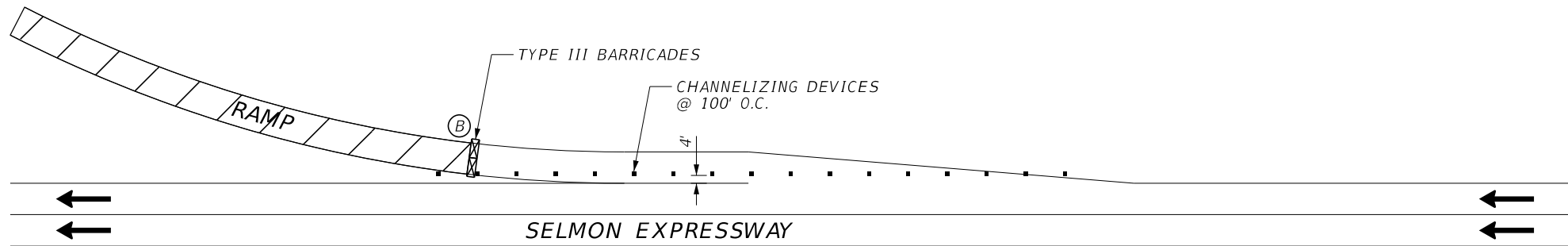
1. FOR GENERAL NOTES CONTROL PLAN REQUIREMENTS ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-600
2. FOR WORK BEYOND THE SHOULDER ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-601. FOR WORK ON THE SHOULDER UTILIZE STANDARD PLANS INDEX NO.102-602.
3. FOR MOBILE OPERATIONS ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-607.
4. FOR SINGLE LANE CLOSURES ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-613.
5. EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED FOR ALL PHASES OF WORK. THE REGULATORY SPEED LIMITS FOR THE PROJECT ARE AS FOLLOW:

SELMON EXPRESSWAY	55 MPH
BRORREIN ST	35 MPH
6. SR 618 / SELMON EXPRESSWAY LAND/ROAD CLOSURE RESTRICTIONS ARE AS FOLLOW:
 - SINGLE LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 9 PM – 5 AM M-F, 9 PM – 6 AM SAT. & SUN.
 - NO CLOSURES WILL BE PERMITTED DURING DOWNTOWN EVENTS.
7. SR 618/ SELMON EXPRESSWAY DETOUR RESTRICTIONS ARE AS FOLLOW:
 - DETOUR FOLLOWS CLOSURE TIMES AND CONFIRM DOWNTOWN EVENTS SCHEDULE.
 - CONTRACTOR MUST CORRDINATE WITH CITY OF TAMPA PERMITS DEPARTMENT FOR ANY DETOUR THAT INCLUDES CITY STREETS.
8. UTILIZE THE APPLICABLE DETOUR SHEET FOR RAMP CLOSURES.
9. IN ADDITION TO SPECIFICATIONS 8-6.4, SPECIAL EVENTS FOR THIS PROJECT INCLUDE: FLORIDA STATE FAIRGROUNDS, AMPITHEATER AND TAMPA STADIUM (RAYMOND JAMES STADIUM) WITH AN ANTICIPATED CROWD OF 35K OR HIGHER. FORUM/ICE PALACE (BENCHMARK INTERNATIONAL ARENA) WITH AN ANTICIPATED CROWD OF 15K OR HIGHER. TROPICANA FIELD WITH AN ANTICIPATED CROWD OF 15K OR HIGHER. DOWNTOWN TAMPA, BAYSHORE BLVD, YBOR CITY, WITH AN ANTICIPATED CROWD OF 20K OR HIGHER, AND MACDILL AIR FORCE BASE.
10. CONTACT GINNY BURCHAM A MINIMUM OF 14 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR. CONTACT INFORMATION AS FOLLOWS:

GINNY BURCHAM
GBURCHAM@HNTB.COM
(863) 412-4026

REVISIONS				ENGINEER OF RECORD	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC 160 N. WESTMONTE DR. SUITE 2000 ALTAMONTE SPRINGS, FL 32715	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-22
					SR 618	HILLSBOROUGH	HI-0314-C2026		

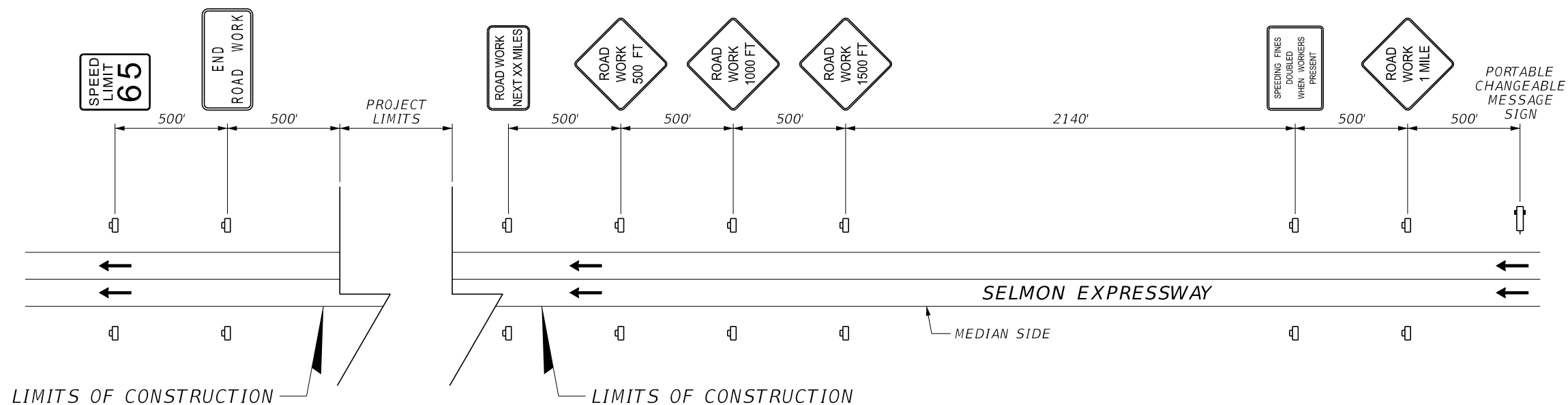
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



RAMP CLOSURE DETAIL
N.T.S

NOTES

- TO BE USED AT NIGHT DURING SINGLE RAMP CLOSURES ONLY.
- FOR RAMP CLOSURE ADVANCE SIGNING SEE APPROPRIATE DETOUR DETAILS SHEETS.
- NUMBER OF MAINLINE LANES VARIES.



MAINLINE ADVANCE WARNING SIGNING DETAIL
N.T.S

NOTES

- ADVANCE WARNING SIGNING DETAIL TO BE USED IN CONJUNCTION WITH STANDARD PLANS LISTED IN THE ITS TRAFFIC CONTROL GENERAL NOTES.
- ADVANCE SIGNING DETAIL SHOWN APPLIES FOR BOTH EASTBOUND AND WESTBOUND DIRECTIONS.

LEGEND

TRAFFIC FLOW DIRECTION

TYPE III BARRICADE

PORTABLE CHANGEABLE MESSAGE SIGN

WORK ZONE SIGN

WORK ZONE

CHANNELIZING DEVICE

EXIT
CLOSED

(B)

PCMS DISPLAY

7 DAYS
IN ADVANCE:

DISPLAY 1
SELMON
EXWY
WORK

DISPLAY 2
BEGINS
STARTING
DATE

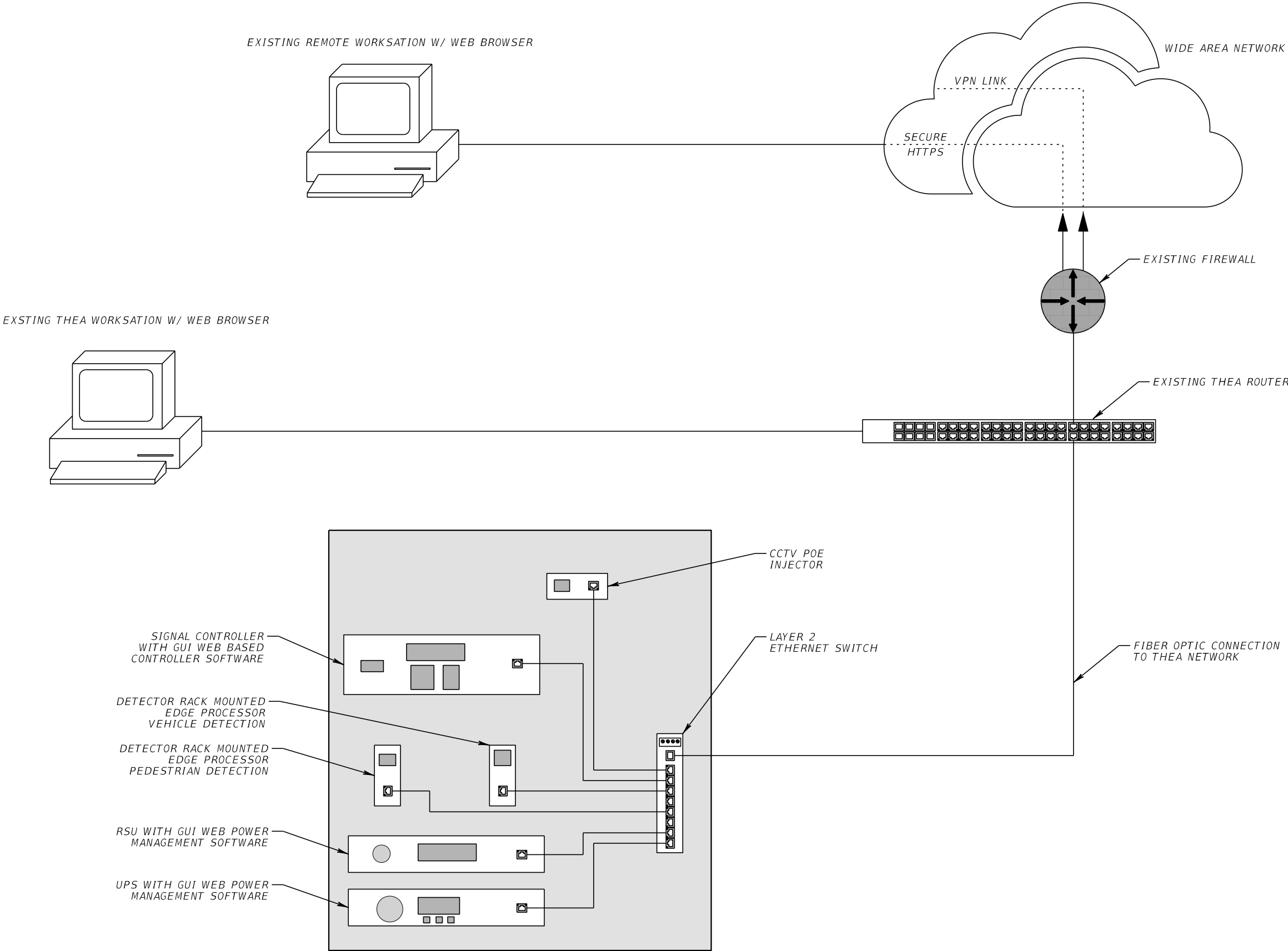
PCMS DISPLAY

DURING
LANE CLOSURE:

DISPLAY 1
LANE
CLOSURES
AHEAD

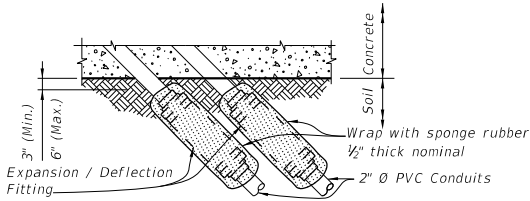
DISPLAY 2
EXPECT
DELAYS

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS TRAFFIC CONTROL PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 618	HILLSBOROUGH	HI-0314-C2026			IT- 23

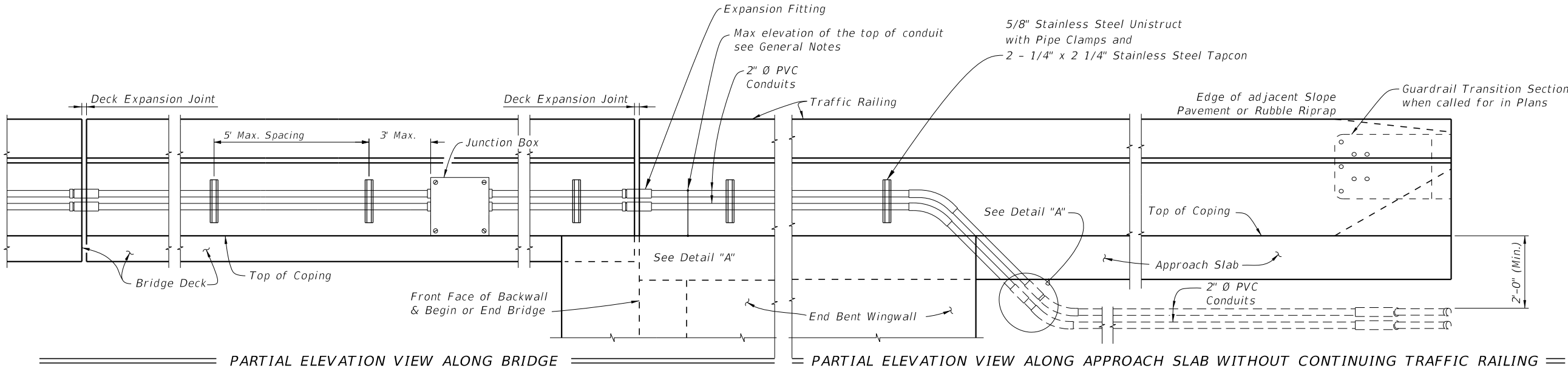


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			NETWORK DIAGRAM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-24

- CONDUIT GENERAL NOTES:
1. Furnish and install approved Conduits, Fittings and Embedded Junction Boxes (EBJ's) in accordance with Specification Sections 630 and 635, this Standard, the National Electric Code (NEC) and as directed by the Engineer.
 2. Furnish and install Junction Boxes (JB) with weatherproof covers sized in accordance with NEC requirements and the maximum size limits shown. Install JB adjacent to the Begin of Bridge, and at other locations as shown in Plans. See Plans for additional locations and details.
 3. Max elevation of the top of conduit is 1'-6" above top of coping for traffic barriers and 1'-2" for parapets.



DETAIL "A" EXPANSION / DEFLECTION
FITTING DETAIL (WALL MOUNT / SOIL)



BRIDGE AND APPROACH SLAB WITH EDGE RAILING

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			CONDUIT DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-25

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

January 20, 2026
PREPARED BY: Erik Spillmann



SPECIFICATIONS PACKAGE

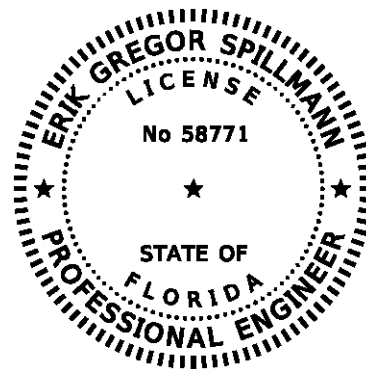
PROJECT ID: HI-0314-C2026

HILLSBOROUGH COUNTY

The FY 2026-27 Edition of the Florida Department of Transportation Standard Specifications is revised as follows:

I hereby certify that this specifications package has been properly prepared by me, or under my responsible charge, in accordance with procedures adopted by the Florida Department of Transportation.

Signature and Seal: Erik Spillmann, PE
Date: September 26, 2025
State of Florida,
Professional Engineer, License No.: 58771
Firm/Agency Name: BCC Engineering, LLC
Firm/Agency Address: 160 N. Westmonte Drive, Suite #2000
City, State, Zip Code: Altamonte Springs, FL 32714
Page(s): 1-135



DIVISION I.....	3
SECTION 1.....	3
DEFINITIONS AND TERMS.....	3
1-1 General.	3
1-3 Definitions.....	3
2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.....	12
SPECIAL PROVISIONS	13
SCOPE OF WORK – INTENT OF CONTRACT.....	14
CONTROL OF MATERIALS - SOURCE OF SUPPLY - DEPARTMENT’S APPROVED PRODUCT LIST (APL).	16
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY (TOLL FACILITIES).	16
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY – UTILITIES - UTILITY ADJUSTMENTS (NO UTILITY WORK SCHEDULE).....	17
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS.....	18
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - TRUCK HAUL ROUTES.	19
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PREFERENCE TO STATE RESIDENTS.	19
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – E- VERIFY.	20
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – SCRUTINIZED COMPANIES.	20
PROSECUTION AND PROGRESS - PROSECUTION OF WORK - GENERAL (SUBMISSION OF WORKING SCHEDULE).	20
PROSECUTION AND PROGRESS - LIMITATIONS OF OPERATIONS – FENCING.	26
PROSECUTION AND PROGRESS - SUSPENSION OF CONTRACTOR’S OPERATIONS- SPECIAL EVENTS.....	26
MAINTENANCE OF TRAFFIC.....	26
APPENDICES	28
TECHNICAL SPECIAL PROVISIONS	29

DIVISION I
General Requirements and Covenants
SECTION 1
DEFINITIONS AND TERMS

Where the Standard Specifications and this Specifications Package references the “Department”, it simultaneously means Tampa Hillsborough Expressway Authority. All references to the “Department” in Section 337, Florida Statutes, in whole or in part, shall hereby be further applied to the Tampa Hillsborough Expressway Authority. Authorization reserved in the Standard Specifications for the Director, Office of Construction shall hereby be exclusively granted to the Tampa Hillsborough Expressway Authority Director of Operations and Engineering, and authorization reserved for the Secretary shall be exclusively granted to the Tampa Hillsborough Expressway Authority Executive Director.

ARTICLE 1-1 is deleted and the following substituted.

1-1 General.

These Specifications are written to the bidder, prior to award of the Contract, and to the Contractor. Within Divisions I and II of the specifications, sentences that direct the Contractor to perform work are written in the active voice-imperative mood. These directions to the Contractor are written as commands. In the imperative mood, the subject “the bidder” or “the Contractor” is understood.

All other requirements to be performed by others, with the exception of the Method of Measurement and the Basis of Payment Articles, have been written in the active voice, but not in the imperative mood. Sentences written in the active voice identify the party responsible for performing the action. For example, “The Engineer will determine the density of the compacted material.” Certain requirements of the Contractor may also be written in the active voice, rather than active voice-imperative mood.

Division III of the Specifications (Materials) is written in the passive voice writing style.

ARTICLE 1-3 is deleted and the following substituted.

1-3 Definitions.

The following terms, when used in the Contract Documents, have the meaning described.

Advertisement.

The public announcement, as required by law, inviting bids for work to be performed or materials to be furnished, usually issued as “Notice to Contractors,” or “Notice to Bidders.”

Article.

The numbered prime subdivision of a Section of these Specifications.

Authority.

The Tampa-Hillsborough Expressway Authority, a public agency of the state created and established by the Florida Legislature pursuant to Section 348.52(1), Florida Statutes.

Bidder.

An individual, firm, or corporation submitting a proposal for the proposed work.

Bridge.

A structure, including supports, erected over a depression or over an obstruction such as water, highway or railway, or for elevated roadway, for carrying traffic or other moving loads, and having a length, measured along the center of the roadway, of more than 20 feet between the inside faces of end supports. A multiple-span box culvert is considered a bridge, where the length between the extreme ends of the openings exceeds 20 feet.

Calendar day.

Every day shown on the calendar, ending and beginning at midnight.

Contract.

The term "Contract" means the entire and integrated agreement between the parties thereunder and supersedes all prior negotiations, representations, or agreements, either written or oral. The Contract Documents form the Contract between the Department and the Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the Work and the basis of payment.

Contract Bond.

The security furnished by the Contractor and the surety as a guaranty that the Contractor shall fulfill the terms of the Contract and pay all legal debts pertaining to the construction of the project.

Contract Claim (Claim).

A written demand submitted to the Department by the Contractor in compliance with 5-12.3 seeking additional monetary compensation, time, or other adjustments to the Contract, the entitlement or impact of which is disputed by the Department.

Contract Documents.

The term "Contract Documents" includes: Advertisement for Proposal, Proposal, Certification as to Publication and Notice of Advertisement for Proposal, Appointment of Agent by Nonresident Contractors, Noncollusion Affidavit, Warranty Concerning Solicitation of the Contract by Others, Resolution of Award of Contract, Executed Form of Contract, Performance Bond and Payment Bond, Specifications, Plans (including revisions thereto issued during construction), Estimated Quantities Report, Standard Plans, Addenda, or other information mailed or otherwise transmitted to the prospective bidders prior to the receipt of bids, work orders and supplemental agreements, all of which are to be treated as one instrument whether or not set forth at length in the form of contract.

Note: As used in Sections 2 and 3 only, Contract Documents do not include work orders, and supplementary agreements. As used in Section 2 only, Contract Documents also do not include Resolution of Award of Contract, Executed Form of Contract, and Performance and Payment Bond.

Contract Letting.

The date that the Department opened the bid proposals.

Contract Time.

The number of calendar days allowed for completion of the Contract work, including authorized time extensions.

Contractor.

The individual, firm, joint venture, or company contracting with the Department to perform the work.

Contractor's Engineer of Record.

A Professional Engineer registered in the State of Florida, other than the Engineer of Record or their subcontracted consultant, who undertakes the design and drawing of components of the permanent structure as part of a redesign or Cost Savings Initiative Proposal, or for repair designs and details of the permanent work. The Contractor's Engineer of Record may also serve as the Specialty Engineer.

The Contractor's Engineer of Record must be an employee of a pre-qualified firm. The firm shall be pre-qualified in accordance with the Rules of the Department of Transportation, Chapter 14-75. Any Corporation or Partnership offering engineering services must hold a Certificate of Authorization from the Florida Department of Business and Professional Regulation.

As an alternative to being an employee of a pre-qualified firm, the Contractor's Engineer of Record may be a Department-approved Specialty Engineer. For items of the permanent work declared by the State Construction Office to be "major" or "structural", the work performed by a Department-approved Specialty Engineer must be checked by another Department-approved Specialty Engineer. An individual Engineer may become a Department-approved Specialty Engineer if the individual meets the Professional Engineer experience requirements set forth within the individual work groups in Chapter 14-75, Rules of the Department of Transportation, Florida Administrative Code. Department-approved Specialty Engineers are listed on the State Construction Website. Department-approved Specialty Engineers will not be authorized to perform redesigns or Cost Savings Initiative Proposal designs of items fully detailed in the Plans.

Controlling Work Items.

The activity or work item on the critical path having the least amount of total float. The controlling item of work will also be referred to as a Critical Activity.

Culverts.

Any structure not classified as a bridge that provides an opening under the roadway.

Delay.

Any unanticipated event, action, force or factor which extends the Contractor's time of performance of any controlling work item under the Contract. The term "delay" is intended to cover all such events, actions, forces or factors, whether styled "delay," "disruption," "interference," "impedance," "hindrance," or otherwise, which are beyond the control of and not caused by the Contractor, or the Contractor's subcontractors, materialmen, suppliers or other agents. This term does not include "extra work."

Department.

State of Florida Department of Transportation.

Developmental Specification.

See definition for Specifications.

Engineer.

The Director of Operations and Engineering, acting directly or through duly authorized representatives; such representatives acting within the scope of the duties and authority assigned to them.

Note: In order to avoid cumbersome and confusing repetition of expressions in these Specifications, it is provided that whenever anything is, or is to be done, if, as, or, when, or where “acceptable, accepted, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, determined, directed, disapproved, established, given, indicated, insufficient, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory,” it shall be understood as if the expression were followed by the words “by the Engineer,” “to the Engineer,” or “of the Engineer.”

Engineer of Record.

The Professional Engineer or Engineering Firm registered in the State of Florida that develops the criteria and concept for the project, performs the analysis, and is responsible for the preparation of the Plans and Specifications. The Engineer of Record may be Departmental in-house staff or a consultant retained by the Department.

The Contractor shall not employ the Engineer of Record as the Contractor’s Engineer of Record or as a Specialty Engineer.

Equipment.

The machinery and equipment, together with the necessary supplies for upkeep and maintenance thereof, and all other tools and apparatus necessary for the construction and acceptable completion of the work.

Estimated Quantities Report.

The Estimated Quantities Report contains pay item and quantity information for the project. When the Plans do not adequately describe quantity related information, refer to the Estimated Quantities Report.

Extra Work.

Any “work” which is required by the Engineer to be performed and which is not otherwise covered or included in the project by the existing Contract Documents, whether it be in the nature of additional work, altered work, deleted work, work due to differing site conditions, or otherwise. This term does not include a “delay.”

Federal, State, and Local Rules and Regulations.

The term “Federal, State and Local Rules and Regulations” includes: any and all Federal, State, and Local laws, bylaws, ordinances, rules, regulations, orders, permits, or decrees including environmental laws, rules, regulations, and permits.

Highway, Street, or Road.

A general term denoting a public way for purposes of vehicular travel, including the entire area within the right-of-way.

Holidays.

Days designated by the State Legislature or Cabinet as holidays, which include, but are not limited to, New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day and the following Friday, and Christmas Day.

Inspector.

An authorized representative of the Engineer, assigned to make official inspections of the materials furnished and of the work performed by the Contractor.

Laboratory.

The official testing laboratory used by the Department.

Major Item of Work.

Any item of work having an original Contract value in excess of 5% of the original Contract amount.

Materials.

Any substances to be incorporated in the work under the Contract.

Median.

The portion of a divided highway or street separating the traveled ways for traffic moving in opposite directions.

Plans.

The plans sheets and digital models (2D and 3D) provided as contract documents, including reproductions thereof, showing the location, character, dimensions, and details of the work.

Proposal (Bid, Bid Proposal).

The offer of a bidder, on the prescribed form, to perform the work and to furnish the labor and materials at the prices quoted.

Proposal Form.

The official form or the electronically generated bid item sheets on which the Department requires formal bids to be prepared and submitted for the work.

Proposal Guaranty.

The security furnished by the bidder as guaranty that the bidder will enter into the Contract for the work if the Department accepts the proposal.

Purchase Order.

A written agreement between the Contractor and the Authority, and signed by the surety

when required, modifying the Contract within the limitations set forth in these Specifications. Purchase Order simultaneously means Supplemental Agreement and/or Work Order when in reference to the Specifications.

Request for Correction.

A document initiated by the Contractor proposing a method for correction of work that is not in compliance with the Contract Documents. The Request for Correction is submitted to the Engineer for review and disposition.

Request for Information.

A document initiated by the Contractor that is submitted to the Engineer for interpretation of a Contract Document provision, the meaning of which is not clear to the Contractor. The Request for Information is submitted to the Engineer for review and disposition.

Request for Modification.

A document initiated by the Contractor requesting to modify the Contract Documents, that is submitted to the Engineer for review and disposition.

Right-of-Way.

The land that the Department has title to, or right of use, for the road and its structures and appurtenances, and for material pits furnished by the Department.

Roadbed.

The portion of the roadway occupied by the subgrade and shoulders.

Roadway.

The portion of a highway within the limits of construction.

Secretary.

Secretary of Transportation, State of Florida Department of Transportation, acting directly or through an assistant or other representative authorized by the Secretary; the chief officer of the Department of Transportation.

Section.

A numbered prime division of these Specifications.

Special Event.

Any event, including but not limited to, a festival, fair, run or race, motorcade, parade, civic activity, cultural activity, charity or fund drive, sporting event, or similar activity designated in the Contract Documents.

Special Provisions.

See definition for Specifications.

Specialty Engineer.

A Professional Engineer registered in the State of Florida, other than the Engineer of Record

or their subcontracted consultant, who undertakes the design and drawing preparation of components, systems, or installation methods and equipment for specific temporary portions of the project work or for special items of the permanent works not fully detailed in the Plans and required to be furnished by the Contractor. The Specialty Engineer may also provide designs and details, repair designs and details, or perform Engineering Analyses for items of the permanent work declared by the Authority to be “minor” or “non-structural.”

For items of work not specifically covered by the Rules of the Department of Transportation, a Specialty Engineer is qualified if they have the following qualifications:

1. Registration as a Professional Engineer in the State of Florida.
2. The education and experience necessary to perform the submitted design as required by the Florida Department of Business and Professional Regulation.

Specifications.

The directions, provisions, and requirements contained herein, together with all stipulations contained in the Contract Documents, setting out or relating to the method and manner of performing the work, or to the quantities and qualities of materials and labor to be furnished under the Contract.

Standard Specifications: “Standard Specifications for Road and Bridge Construction” an electronic book, applicable to all Department Contracts containing adopted requirements, setting out or relating to the method or manner of performing work, or to the quantities and qualities of materials and labor.

Supplemental Specifications: Approved additions and revisions to the Standard Specifications, applicable to all Department Contracts.

Special Provisions: Specific clauses adopted by the Department that add to or revise the Standard Specifications or supplemental specifications, setting forth conditions varying from or additional to the Standard Specifications applicable to a specific project.

Technical Special Provisions: Specifications, of a technical nature, prepared, signed, and sealed by an Engineer registered in the State of Florida other than the State Specifications Engineer or their designee, that are made part of the Contract as an attachment to the Contract Documents.

Developmental Specification: A specification developed around a new process, procedure, or material.

Standard Plans.

“Standard Plans for Road and Bridge Construction”, an electronic book describing and detailing aspects of the Work. Where the term Design Standards appears in the Contract Documents, it will be synonymous with Standard Plans.

Standard Specifications.

See definition for Specifications.

State.

State of Florida.

Subarticle.

A headed and numbered subdivision of an Article of a Section of these Specifications.

Subgrade.

The portion of the roadbed immediately below the base course or pavement, including below the curb and gutter, valley gutter, shoulder and driveway pavement. The subgrade limits ordinarily include those portions of the roadbed shown in the Plans to be constructed to a design bearing value or to be otherwise specially treated. Where no limits are shown in the Plans, the subgrade section extends to a depth of 12 inches below the bottom of the base or pavement and outward to 6 inches beyond the base, pavement, or curb and gutter.

Substructure.

All of that part of a bridge structure below the bridge seats, including the parapets, backwalls, and wingwalls of abutments.

Superintendent.

The Contractor's authorized representative in responsible charge of the work.

Superstructure.

The entire bridge structure above the substructure, including anchorage and anchor bolts, but excluding the parapets, backwalls, and wingwalls of abutments.

Supplemental Agreement.

A written agreement between the Contractor and the Department, and signed by the surety, modifying the Contract within the limitations set forth in these Specifications.

Supplemental Specifications.

See definition for Specifications.

Surety.

The corporate body that is bound by the Contract Bond with and for the Contractor and responsible for the performance of the Contract and for payment of all legal debts pertaining thereto.

Technical Special Provisions.

See definition for Specifications.

THEA.

The Tampa-Hillsborough County Expressway Authority, a public agency of the state created and established by the Florida Legislature pursuant to Section 348.52(1), Florida Statutes.

Traveled Way.

The portion of the roadway for the movement of vehicles, exclusive of shoulders and bicycle lanes.

Unilateral Payment.

A payment of money made to the Contractor by the Department pursuant to Section 337.11(12), Florida Statutes (2009), for sums the Department determines to be due to the Contractor for work performed on the project, and whereby the Contractor by acceptance of such payment does not waive any rights the Contractor may otherwise have against the Department for payment of any

additional sums the Contractor claims are due for the work.

Work.

All labor, materials and incidentals required to execute and complete the requirements of the Contract including superintendence, use of equipment and tools, and all services and responsibilities prescribed or implied.

Work Order.

A written agreement between the Contractor and the Department modifying the Contract within the limitations set forth in these Specifications. Funds for this agreement are drawn against the Initial Contingency Pay Item or a Contingency Supplemental Agreement.

Working Day.

Any calendar day on which the Contractor works or is expected to work in accordance with the approved work progress schedule.

SECTION 2

PROPOSAL REQUIREMENTS AND CONDITIONS

ARTICLE 2-4 is deleted and the following substituted.

2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.

Examine the Contract Documents and the site of the proposed work carefully before submitting a Proposal for the work contemplated. Investigate the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished and as to the requirements of all Contract Documents. Direct all questions to the Authority by posting the question to procurement@tampa-xway.com.

The Authority does not guarantee the details pertaining to borings, and pavement cores as shown in the Contract Documents, to be more than a general indication of the materials likely to be found adjacent to holes bored at the site of the work, approximately at the locations indicated. The Bidder shall examine boring and pavement core data, where available, and make their own interpretation of the subsoil investigations and other preliminary data and shall base their bid solely on their own opinion of the conditions likely to be encountered.

The Bidder's submission of a Proposal is prima facie evidence that the Bidder has made an examination as described in this Article.

SPECIAL PROVISIONS

PROPOSAL REQUIREMENTS AND CONDITIONS (FY 2025-26)

ARTICLE 2-4 is deleted and the following substituted:

2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.

Examine the Contract Documents and the site of the proposed work carefully before submitting a Proposal for the work contemplated. Investigate the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished and as to the requirements of all Contract Documents. Direct all questions to the Authority by posting the question to procurement@tampa-xway.com.

The Authority does not guarantee the details pertaining to borings, and pavement cores as shown in the Contract Documents, to be more than a general indication of the materials likely to be found adjacent to holes bored at the site of the work, approximately at the locations indicated. The Bidder shall examine boring and pavement core data, where available, and make their own interpretation of the subsoil investigations and other preliminary data and shall base their bid solely on their own opinion of the conditions likely to be encountered.

The Bidder's submission of a Proposal is prima facie evidence that the Bidder has made an examination as described in this Article.

AWARD AND EXECUTION OF CONTRACT – PUBLIC RECORDS. (REV 10-17-16) (FA 10-24-16) (FY 2025-26)

ARTICLE 3-9 is expanded by the following:

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**General Counsel
1104 E. Twiggs Street, Suite 300, Tampa, FL 33602
813-272-6740**

SCOPE OF WORK – INTENT OF CONTRACT. (REV 10-25-21) (FA 1-26-22) (FY 2025-26)

ARTICLE 4-1 is expanded by the following:

The Improvements under this Contract consist of the deployment of a queue and pedestrian detection system on the Selmon Expressway Brorein Exit Ramp (Exit 7).

SUBARTICLE 4-3.1 is deleted and the following substituted:

4-3.1 General: The Engineer reserves the right to make, at any time prior to or during the progress of the work, alterations or changes, whether a significant change or not, and such alterations in the details of construction, whether a substantial change or not, including but not limited to alterations in the grade or alignment of the road or structure or both, as may be found necessary or desirable by the Engineer. Such alterations or changes shall not constitute a breach of Contract, shall not invalidate the Contract, nor release the Surety from any liability arising out of this Contract or the

Surety bond. The Contractor agrees to perform the work, as altered or changed, the same as if it had been a part of the original Contract.

The term “significant change” applies only when the Engineer determines that the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction. The allowance due to the Contractor will be in accordance with 4-3.2, below.

In the instance of an alleged “significant change”, the determination by the Engineer shall be conclusive and shall not be subject to challenge by the Contractor in any forum, except upon the Contractor establishing by clear and convincing proof that the determination by the Engineer was without any reasonable and good-faith basis.

SUBARTICLE 4-3.4 is deleted and the following substituted:

4-3.4 Conditions Requiring a Supplemental Agreement or Unilateral Payment: A

Supplemental Agreement or Unilateral Payment will be used to clarify the Plans and Specifications of the Contract; to provide for Unforeseen Work, grade changes, or alterations in Plans which could not reasonably have been contemplated or foreseen in the Original Plans and Specifications; to change the limits of construction to meet field conditions; to provide a safe and functional connection to an existing pavement; to settle documented Contract claims; to make the project functionally operational in accordance with the intent of the original Contract and subsequent amendments thereto.

SUBARTICLE 4-3.9.4 is deleted and the following substituted:

4-3.9.4 Processing Procedures: Submit Proposals to the Engineer or his duly authorized representative. The Authority will process Proposals expeditiously; however, the Authority is not liable for any delay in acting upon a Proposal submitted pursuant to this Subarticle. The Contractor may withdraw, in whole or in part, a Proposal not accepted by the Authority within the period specified in the Proposal. The Authority is not liable for any Proposal development cost in the case where the Authority rejects or the Contractor withdraws a Proposal.

The Engineer is the sole judge of the acceptability of a Proposal and of the estimated net savings in construction costs from the adoption of all or any part of such Proposal.

Prior to approval, the Engineer may modify a Proposal, with the concurrence of the Contractor, to make it acceptable. If any modification increases or decreases the net savings resulting from the Proposal, the Authority will determine the Contractor’s fair share upon the basis of the Proposal as modified. The Authority will compute the net savings by subtracting the revised total cost affected by the Proposal from the total cost as represented in the original Contract.

Prior to approval of the Proposal that initiates the supplemental agreement, submit acceptable Contract-quality plan sheets revised to show all details consistent with the Proposal design.

**CONTROL OF MATERIALS - SOURCE OF SUPPLY - DEPARTMENT'S APPROVED
PRODUCT LIST (APL).
(REV 10-10-23) (FA 10-18-23) (FY 2025-26)**

SUBARTICLE 6-5.2 is deleted and the following substituted:

6-5.2 Source of Supply: Comply with 2 CFR 184 and 2 CFR 200.322, which includes the Buy America Sourcing Preferences of the Build America, Buy America Act (BABA). Domestic compliance for all affected products will be listed on the APL. The list of affected articles, materials, and supplies that have been added to the APL and are not identified in each individual Section can be found at the following URL:

<https://www.fdot.gov/programmanagement/ProductEvaluation/Default.shtm>.

6-5.2.1 Steel and Iron: Use steel and iron manufactured in the United States, in accordance with the Buy America provisions of 23 CFR 635.410, as amended. Ensure that all manufacturing processes for this material occur in the United States. As used in this specification, a manufacturing process is any process that modifies the chemical content, physical shape or size, or final finish of a product, beginning with the initial melting and continuing through the final shaping and coating. If a steel or iron product is taken outside the United States for any manufacturing process, it becomes foreign source material. When using steel or iron materials as a component of any manufactured product (e.g., concrete pipe, prestressed beams, corrugated steel pipe, etc.), these same provisions apply. Foreign steel and iron may be used when the total actual cost of such foreign materials does not exceed 0.1% of the total Contract amount or \$2,500, whichever is greater. These requirements are applicable to all steel and iron materials incorporated into the finished work but are not applicable to steel and iron items that the Contractor uses but does not incorporate into the finished work. Submit a certification from the manufacturer of steel or iron, or any product containing steel or iron, stating that all steel or iron furnished or incorporated into the furnished product was produced and manufactured in the United States or a statement that the product was produced within the United States except for minimal quantities of foreign steel and iron valued at \$ (actual cost). Submit each such certification to the Engineer prior to incorporating the material or product into the project. Prior to the use of foreign steel or iron materials on a project, submit invoices to document the actual cost of such material, and obtain the Engineer's written approval prior to incorporating the material into the project.

6-5.2.2 Manufactured Products: Use Manufactured Products that are consumed in, incorporated into, or affixed to an infrastructure project that are manufactured in the United States, in accordance with BABA requirements and applicable waivers.

6-5.2.3 Construction Materials: Use non-ferrous metals, plastic and polymer-based products, glass, lumber, and drywall articles, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project that are manufactured in the United States, in accordance with BABA requirements.

6-5.2.4 Exemptions to Build America, Buy America: Temporary devices, equipment, and other items removed at or before the completion of the project are exempt from BABA funding eligibility requirements. Aggregates, cementitious materials, and aggregate binding agents or additives are exempted from BABA funding eligibility requirements.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION
OF EXISTING PROPERTY (TOLL FACILITIES).**

(REV 7-22-14) (FA 10-15-14) (FY 2025-26)

SUBARTICLE 7-11.1 is expanded by the following:

Due to the unique technological nature and complexity of the Department's toll collection system at the Department's owned or operated toll facilities, the Department will utilize one of its toll collection system vendors to perform removals, repairs, replacements and installations of toll collection components damaged by the Contractor. The currently contracted rates of the Department's contract with its tolling vendors will apply towards any removals, repairs, replacements and installations performed by one of the Department's toll collection system vendors. The Department will deduct the cost of the removals, repairs, replacements and installations from any monies due or which may become due to the Contractor under the Contract. Toll collection system components include, but are not limited to the following: automatic vehicle identification system antennae and readers; toll revenue collection and violation enforcement system cameras and illuminators; vehicle detection and classification system devices; vehicle classification and detection roadway loops; roadway treadles; light curtains; patron fare displays; closed circuit television cameras; electronics inside toll buildings or toll booths; automatic coin machines ; automatic ticket issuing machines ; toll lane traffic signals and illuminators; and all directly associated supporting infrastructure including, but not limited to, cabling, connectors, and specialty bracketing, mounts, poles.

SUBARTICLE 7-11.2 is expanded by the following:

When the actions of the Contractor result in the loss of toll revenue, the Contractor shall be responsible for the revenue loss based on the total number of hours during the days in which toll revenues remain uncollected. The amount of uncollected toll revenue will be calculated by adding the hourly toll revenue for a representative weekday or weekend day over all the days in which tolls are not collected. Days showing unusually high or low traffic patterns will be replaced with revenue corresponding to normal traffic days within the last month. Hourly revenues for a representative weekday are calculated by averaging the revenues in the same hour during the previous 10 consecutive weekdays prior to the damage. Hourly revenues for a representative weekend day are calculated by averaging the revenues in the same hour during the previous 4 consecutive weekend days prior to the damage. For partial days of interrupted service, uncollected toll revenues will be limited to those hours in the representative weekday or weekend day that correspond to the specific hours when the Department's toll infrastructure is not fully operational due to damages sustained. For the purpose of this estimate, partial hours will be rounded to the nearest full hour.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY – UTILITIES - UTILITY ADJUSTMENTS (NO UTILITY WORK SCHEDULE).

(REV 2-10-94) (FY 2025-26)

SUBARTICLE 7-11.5.3 is expanded by the following:

For this project, no utility work involving facilities owned by other agencies is anticipated.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS.
(REV 4-25-02) (FA 7-17-02) (FY 2025-26)

SECTION 7 is expanded by the following:

7-27 Equal Employment Opportunity Requirements.

7-27.1 Equal Employment Opportunity Policy: Accept as the operating policy, the following statement which is designed to further the provision of equal employment opportunity to all persons without regard to their age, race, color, religion, national origin, sex, or disability and to promote the full realization of equal employment opportunity through a positive continuing program:

“It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their age, race, religion, color, national origin, sex, or disability. Such action must include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training.”

7-27.2 Equal Employment Opportunity Officer: Designate and make known to the Department’s contracting officers an equal employment opportunity officer (hereinafter referred to as the EEO Officer) who must be capable of effectively administering and promoting an active Contractor program employment opportunity and who must be assigned adequate authority and responsibility to do so.

7-27.3 Dissemination of Policy: All members of the Contractor’s staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the Contractor’s equal employment opportunity policy and contractual responsibilities.

7-27.4 Recruitment: When advertising for employees, include in all advertisements for employees the notation “An Equal Opportunity Employer”.

7-27.5 Personnel Actions: Establish and administer wages, working conditions, employee benefits, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination without regard to age, race, color, religion, national origin, sex, or disability.

Follow the following procedures:

1. Conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
2. Periodically evaluate the spread of wages paid with each classification to determine any evidence of discriminatory wage practices.
3. Periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action must include all affected persons.
4. Investigate all complaints of alleged discrimination made in connection with obligations under this Contract, attempt to resolve such complaints, and take appropriate corrective action. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action must include such other persons. Upon completion of each investigation inform every complainant of all of the avenues of appeal.

7-27.6 Subcontracting: Use the best efforts to ensure subcontractor compliance with their

equal employment opportunity policy.

7-27.7 Records and Reports: Keep such records as are necessary to determine compliance with the equal employment opportunity obligations. The records kept will be designed to indicate the following:

1. The number of minority and nonminority group members employed in each work classification on the project.
2. The progress and efforts being made in cooperation with unions to increase minority group employment opportunities (applicable only to Contractors who rely in whole or in part on unions as a source of their work force).
3. The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority group employees as deemed appropriate to comply with their Equal Employment Opportunity Policy.
4. The progress and efforts being made in securing the services of minority group subcontractors or subcontractors with meaningful minority group representation among their employees as deemed appropriate to comply with their Equal Employment Opportunity Policy.

All such records must be retained for a period of three years following completion of the contract work and be available at reasonable times and places for inspection by authorized representatives to the Department and the Federal Highway Administration.

Upon request, submit to the Department a report of the number of minority and nonminority group employees currently engaged in each work classification required by the Contract work.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - TRUCK HAUL ROUTES.

(REV 04-06-00) (FY 2025-26)

SECTION 7 is expanded by the following new Article:

7-27 Truck Haul Routes.

City of Tampa, Citrus, Hernando, Hillsborough, Pasco, and Pinellas Counties located within District Seven have established Truck Haul Route Ordinances restricting the use of certain roadways for hauling materials, equipment and supplies. Conform to these ordinances.

All state roadways are exempt from these ordinances and may be used for Truck Haul Routes.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PREFERENCE TO STATE RESIDENTS.

(REV 1-13-12) (FY 2025-26)

SECTION 7 is expanded by the following new Article:

7-28 Preference to State Residents.

Florida Statutes 255.099 (Chapter 2010-147, Section 50, Laws of Florida), providing for preference to residents of the State of Florida, is hereby made a part of this Contract:

Each contract that is funded by state funds must contain a provision requiring the Contractor to give preference to the employment of state residents in the performance of the work on the project if state residents have substantially equal qualifications to those of nonresidents.

As used in this Section, the term “substantially equal qualifications” means the qualification of two or more persons among whom the employer cannot make a reasonable determination that the qualifications held by one person are better suited for the position than the qualifications held by the other person or persons.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – E-VERIFY.
(REV 6-13-11) (FA 6-16-11) (FY 2025-26)**

SECTION 7 is expanded by the following new Article:

7-29 E-Verify.

The Contractor shall utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – SCRUTINIZED COMPANIES.
(REV 3-22-18) (FY 2025-26)**

SECTION 7 is expanded by the following new Article:

7-30 Scrutinized Companies.

For Contracts of any amount, if the Department determines the Contractor submitted a false certification under Section 287.135(5) of the Florida Statutes, or if the Contractor has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, the Department shall either terminate the Contract after it has given the Contractor notice and an opportunity to demonstrate the Department’s determination of false certification was in error pursuant to Section 287.135(5)(a) of the Florida Statutes, or maintain the Contract if the conditions of Section 287.135(4) of the Florida Statutes are met.

For Contracts \$1,000,000 and greater, if the Department determines the Contractor submitted a false certification under Section 287.135(5) of the Florida Statutes, or if the Contractor has been placed on the Scrutinized Companies with Activities in the Sudan List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, the Department shall either terminate the Contract after it has given the Contractor notice and an opportunity to demonstrate the Department’s determination of false certification was in error pursuant to Section 287.135(5)(a) of the Florida Statutes, or maintain the Contract if the conditions of Section 287.135(4) of the Florida Statutes are met.

**PROSECUTION AND PROGRESS - PROSECUTION OF WORK - GENERAL
(SUBMISSION OF WORKING SCHEDULE).
(REV 5-20-21) (FA 7-7-21) (FY 2025-26)**

SUBARTICLE 8-3.2 is deleted and the following substituted:

8-3.2 General: For this Contract, submit the following schedules and reports.

8-3.2.1 Contract Schedule: Submit to the Engineer for acceptance a Critical Path

Method (CPM) Contract Schedule for the project within 30 calendar days after execution of the Contract or at the preconstruction conference, whichever is earlier.

The Contract Schedule shall include detailed schedule diagrams and schedule data as described below that shows how the Contractor intends to complete the work within the Contract Time. Any weather days that affect the Critical Path will be added as they occur. When the project includes a Maintenance of Traffic plan, the work breakdown structure (WBS) or project activity codes for the Contract Schedule shall be consistent with the Contract Maintenance of Traffic plan, showing activities for each discrete Contract activity to be accomplished within each Maintenance of Traffic phase. When the project does not include a Maintenance of Traffic plan, the WBS or project activity codes shall be consistent with the phasing shown in the Contract Documents. Include activities for deliverables and reviews in the schedule. Sufficient liaison shall be conducted and information provided to indicate coordination with utility owners having facilities within the project limits. The schedule must incorporate the utility work schedules included in the Contract Documents, unless changed by mutual agreement of the utility company, the Contractor and the Department. Show the interdependence (logic) of the utility work schedule activities with other schedule activities in the Contract Schedule for acceptance by the Department, unless otherwise approved by the Engineer.

Failure to include any element of work or any activity relating to utility work will not relieve the Contractor from completing all work within the Contract Time at no additional time or cost to the Department, notwithstanding the acceptance of the schedule by the Department.

The Contract Schedule may indicate a completion date in advance of the expiration of Contract Time. However, the Department will not be liable in any way for the Contractor's failure to complete the project prior to expiration of Contract Time. Any additional costs, including extended overhead incurred between the Contractor's scheduled completion date and the expiration of Contract Time, shall be the responsibility of the Contractor. The Contractor shall not be entitled to claim or recover any such costs from the Department.

Acceptance by the Engineer of the Contract Schedule or any updates shall not be construed as approval of any particular construction methods or sequence of construction or to relieve the Contractor of its responsibility to provide sufficient materials, equipment and labor to guarantee the completion of the contract in accordance with the Contract Documents.

8-3.2.2 Schedule Submissions: Develop the schedule in Precedence Diagram Method (PDM) format.

Each schedule submission and monthly update shall include a minimum of the following six items:

1. Submit the files electronically in the current Department version of Oracle Primavera P6 format by exporting the full schedule to an .xer file format.

2. A Gantt chart grouped by WBS, then phase, sorted by early start then total float. The chart shall include the following columns:

- a. Activity ID
- b. Activity Name
- c. Calendar
- d. Activity Type
- e. Original Duration
- f. Remaining Duration
- g. Duration % Complete
- h. Early Start
- i. Early Finish
- j. Late Start
- k. Late Finish

1. Total Float

The chart shall also include activity bars using the Oracle Primavera P6 default color coding for the bars. The chart shall be submitted as a Portable Document Format (.pdf) file and formatted on 11 inch by 17 inch landscape oriented sheets, with the activity table and bars.

3. A Gantt chart with the same columns and bars listed in 8-3.2.2(2), but filtered for the longest path, not grouped but sorted by early start, then early finish. The chart shall be submitted as a.pdf file and formatted on 11 inch by 17 inch landscape oriented sheets, with the activity table and bars.

4. The Schedule log for the calculated schedule, submitted as a.pdf file and formatted on 8-1/2 inch by 11 inch portrait oriented sheets.

5. A schedule narrative report with the following information:

a. Current project schedule status and identify potential delays
b. A description of the progress made since the previous schedule submission
c. Objectives for the upcoming 30 calendar days
d. Indicate if the project is on schedule, ahead of schedule or behind schedule.

1. If ahead or behind schedule, indicate the specific number of calendar days.

2. If behind schedule, include a detailed recovery plan that will put the schedule back on track or identify the alleged delay event for which a preliminary request for an extension of Contract Time has been submitted, which if granted by the Department, will account for the amount of time the project is behind schedule, or provide a fully supported request for a Contract Time extension, which if granted by the Department, will account for the amount of time the project is behind schedule.

e. Description of the current critical path and indicate if the critical path has changed in the last 30 calendar days.

f. Discussion of current successes or problems that have affected either the critical path's length or have caused a shift in the critical path within the last 30 calendar days.

g. Identify specific activities, progress, or events that may reasonably be anticipated to impact the critical path within the next 30 calendar days, either to affect its length or to shift it to an alternate path.

h. List all changes to schedule logic, calendars, calendar assignments, activity types, activity names, changes to constraints, added activities or duration changes (original and remaining) that have been made to the schedule since the previous submission.

For each change, describe the basis for the change and specifically identify the affected activities by activity ID.

i. Identify any and all activities, either in progress or scheduled to occur within the following 30 days that require Department participation, review, approval, etc.

6. A detailed logic report that provides a list of activities in the schedule sorted by activity ID, no grouping and submitted as a .pdf file and formatted on 8-1/2 inch by 11 inch portrait oriented sheets. For each activity listed, the report shall include the activity's predecessors and successors, including the relationship type and lag.

For each submission of the Contract Schedule and monthly update, the Engineer will have 21 days to accept the Contract Schedule or monthly update or to schedule a

meeting, if needed, within that time, with the Contractor to resolve any problems that prevent acceptance of the schedule. Attend the meeting scheduled by the Engineer, and submit a corrected schedule to the Engineer within seven days after the meeting. The process will be continued until a Contract Schedule or monthly update is accepted or accepted as noted by the Engineer.

Upon the Engineer's acceptance of the Contract Schedule, submit monthly updates of the Contract Schedule, including all months prior to the start of construction, reflecting progress through the monthly estimate cut-off date within 8 calendar days after the monthly estimate cut-off date.

The Engineer may withhold monthly payments due for failure of the Contractor to submit an acceptable schedule or monthly updates within the time frame described herein.

8-3.2.3 Schedule Content: All schedule submissions shall comply with the following content guidelines as appropriate to the specific submission:

The schedules shall include the sequence, order, and interdependence of major construction milestones and activities. Include procurement of project specific materials and equipment that require submittals and are not readily available, long-lead time items, and key milestones identified by the Contract.

Show the sequence, order, and interdependence of activities in which the work is to be accomplished. Include allowance for Department review, acceptance and return of submittals, samples and shop drawings where Department acceptance is specifically required (in accordance with 5-1.4.6 of the standard specifications). In addition to construction activities, schedule activities shall include the submittals, procurement, and Department or Utility activities:

1. Submittal activities shall include submittal preparation, Department review, and acceptance of submittals. If the Department's action on any submittal is "Not Accepted" or "Revise and Resubmit", a new series of submittal preparation activities shall be inserted into the schedule. Predecessor for the new submittal preparation activity will be the original acceptance activity and the successor of the new acceptance activity will be the fabrication/delivery activity for the equipment or material.

2. Procurement activities shall include all project specific materials and equipment that require submittals and are not readily available, fabrication of special material and equipment, and their installation and testing.

3. Show activities of the Department or Utilities that affect progress and contract-required dates for completion of all or parts of the work.

Detailed schedule data: shall conform to the following:

1. All activities shall be assigned to a specific project calendar within the software. Specific project calendars will be defined within the software to include planned work days and planned non-work days. These project calendars will include both Contractor and Contract defined holidays and suspension days as non-workdays. The use of global calendars is not permitted. Project calendars shall not inherit holidays from global calendars. Work shifts identified for each project calendar shall be consistent with the Contractor's planned workdays. Actual start and finish date times shall be consistent with the work shift hours on the calendar assigned to the activities.

2. A cost account drawdown schedule depicting amount earned by month through project completion. The sum total of the cost accounts shall be equal to the current contract value.

3. At a minimum, each schedule activity shall contain codes by:

- a. Responsibility: for items of work that are not in control of the Contractor including, but not be limited to, Department, Utility, etc.
- b. Phasing: identify the appropriate Maintenance of Traffic phase or subphase.

The required coding can be accomplished by WBS codes or project activity codes.

4. Key milestones as identified by Contract. At a minimum, the start and finish of each Maintenance of Traffic phase or subphase shall be represented by a milestone activity. Milestone activities shall be start or finish milestone type activities, as appropriate.

5. All non-procurement activities must be less than or equal to 20 workdays unless approved by the Engineer. Sufficient explanation for activities over 20 days shall be provided for the Engineers review and approval.

6. All activities must include adequate detailed activity descriptions to describe the work that is included. In each activity, provide sufficient detail so that the amount of work the activity involves is clearly communicated.

7. Only two open-ended activities (the first and the last) are allowed.

8. Constraints shall only be used for “project start,” and “project completion.” Constraints shall not override logic. The project start constraint shall be the Contract execution date. The project completion date shall be the Contract completion date plus any Contract defined holidays and suspension days included on the longest path. The use of any other imposed constraints is not allowed without specific approval by the Engineer. Any other desired constraints must be submitted to the Engineer with the rationale for the use of each desired additional constraint. If allowed by the Engineer, the rationale should be recorded in the activity's notebook field. Mandatory constraints (start and finish) violate network logic and shall not be used.

9. Out of sequence progress shall be corrected on each monthly update by modifying the schedule logic so that the logic accurately depicts the actual sequence of the work. The Retained Logic setting shall be used when calculating the schedule.

10. All changes to activities shall be recorded with a note in the activity notebook field. The notebook entry shall include, as a minimum, the date and reason for the change, as well as reference to a document wherein the Engineer acknowledges and accepts the change.

11. The use of resource leveling, either manual or automatic, is prohibited.

12. Activities shall not be deleted from the schedule. If an activity is not required, then upon approval from the Engineer, the Contractor shall provide actual start and finish dates equal to the date of the Engineer's approval, shall add the word “Removed” to the activity name and shall make a notebook entry explaining the reason for removing the activity from the planned work.

13. Activities shall be added to the schedule upon notifying the Engineer when it is determined that a Contract work element was omitted from the previous accepted Contract schedule or update or if work is added to the Contract, or to reflect a time extension in accordance with 8-7.3.2.

14. Activity names shall only be changed to reflect changes to the scope of the work element represented by the activity, not as a way to remove and replace activities. Changes to activity names shall be approved by the Engineer.

15. Unless otherwise approved by the Engineer, activity types shall be defined as milestones, level-of-effort, WBS summary or task dependent. Resource dependent type shall not be used. All activities shall have percent complete type set to duration and duration type set to either fixed duration and unit/time or fixed duration and units.

8-3.2.4 Weekly Meetings: Attend weekly meetings scheduled by the Engineer to discuss Contract progress, near term scheduled activities, including utility relocations, problems and their proposed solutions. Submit a Three-Week Planning Schedule at each weekly meeting, showing the Contract schedule activities completed in the previous week and planned for the next two weeks.

Develop the Three-Week Planning Schedule in Gantt chart format from the updated Contract schedule, identifying completed, current and planned activities. Designate all activities that are controlling work items as determined by the currently accepted Contract Schedule

8-3.2.5 Float: Float is defined as the amount of time the finish of an activity can be delayed. Two kinds of float are possible: Total float is how much an activity can be delayed without affecting the finish date of the project or an intermediate deadline (constraint); it is the difference between the late finish date and the early finish date. Free float is how much an activity can be delayed without affecting its earliest successor.

Float is not for the exclusive use or benefit of either the Department or the Contractor.

Use of float suppression techniques, such as preferential sequencing (arranging critical path through activities more susceptible to Department caused delay), special lead/lag logic restraints, zero total or free float constraints, extended activity times, positive relationship lags, or imposing constraint dates other than as required by the contract, shall be cause for rejection of the project schedule or its updates. The use of finish-to-start lags greater than zero days, start-to-start lags that exceed the duration of the predecessors, or finish-to-finish lags that exceed the duration of the successor, shall not be used without the expressed approval of the Engineer. The use of Resource Leveling, or similar software features, for the purpose of artificially adjusting activity durations to consume float and influence the critical path is expressly prohibited.

Negative float shall not be a basis for requesting time extensions. Any extension of time shall be addressed in accordance with 8-3.2. 7. Scheduled completion dates that extend beyond the Contract completion date, evidenced by negative float, may be used in computations for assessment of payment withholdings. The use of this computation is not to be construed as a means of acceleration.

8-3.2.6 Critical Path: The critical path shall be defined as the longest path and is represented by the longest logical path through the remaining activities, resulting in the earliest calculated completion date. There may be more than one longest path in the schedule. However, the use of float suppression techniques as described in 8-3.2.5 shall not be used to force the schedule to have more than one longest path.

8-3.2.7 Time Extensions: The Contractor is responsible for submitting a request for Contract Time extension in accordance with 8-7.3.2. An extension of time shall be considered only to the extent that an event impacts the completion date of the schedule such that the impacted completion date is later than the Contract completion date as adjusted previously. The Pre-event Schedule is defined as the latest accepted update of the Contract schedule, statused (actual start dates added, actual finish dates added, remaining durations adjusted) to the end of the day before the start of the event. The Post-event Schedule is defined as the accepted update of the Contract Schedule just after the end of the event and destatused (actual start dates removed, actual finish dates removed, remaining durations adjusted) to the end of the last day of the event.

As a minimum, time extension requests shall contain:

1. A descriptive summary of the event
2. A written analysis supported by a:
 - a. Pre-event Schedule
 - b. Post-event Schedule
3. Schedule submittal items 1, 2, 3 and 4 required in 8-3.2.2 shall be provided for the Pre-event and Post-event schedules

Time extensions shall not be considered for proposals that do not include full documentation described above. Once a time extension has been approved by the Engineer, the Contract completion date shall be changed accordingly.

8-3.2.8 Performance of Work: By submitting a schedule, the Contractor is making a

positive assertion that the project has been and will be constructed in the order indicated in the schedule. Prosecute the work in accordance with the latest accepted Contract Schedule or update. Any costs associated with meeting milestones and completing the project within the authorized Contract Time will be borne solely by the Contractor.

8-3.2.9 As-Built Schedule: Submit an as-built schedule along with the Qualified Acceptance Letter if the Contractor elects the use of the Qualified Acceptance Letter as described in 9-8.1. The as-built schedule shall describe the actual order and start and stop times for all activities by the Contractor.

**PROSECUTION AND PROGRESS - LIMITATIONS OF OPERATIONS – FENCING.
(REV 6-17-04) (FA 7-13-04) (FY 2025-26)**

SUBARTICLE 8-4.8 is deleted and the following substituted:

8-4.8 Fencing: Erect permanent fence as a first order of business on all projects that include fencing where the Engineer determines that the fencing is necessary to maintain the security of livestock and other animals on adjacent property, or for protection of pedestrians who are likely to gain access to the project from adjacent property. Secure the right of way on Limited Access Facilities at all times by a fence, either temporary or permanent, that meets the height of the existing fence or the height required in the Contract.

**PROSECUTION AND PROGRESS - SUSPENSION OF CONTRACTOR'S OPERATIONS-SPECIAL EVENTS.
(REV 10-31-22) (FA 1-3-22) (FY 2025-26)**

SUBARTICLE 8-6.4 is expanded by the following:

For this Contract, Special Event days for this project include:

Tampa Bay Lightning Home Games
Macdill Air Fest
Gasparilla Parade
Gasparilla Children's Parade
Gasparilla Distance Classic
Riverfest

In addition to the limitations on lane closures, detours, and non-working days, the Authority may direct up to ten (10) days per calendar year when no lane closures and detours will be permitted. The contractor will be provided no less than 24-hour notice of these events and shall be at no additional cost or time to the Authority.

**MAINTENANCE OF TRAFFIC.
(REV 7-24-23) (FY 2025-26)**

SUBARTICLE 102-3.3 is deleted and the following substituted:

102-3.3 Lane Closures: Approval for all lane closures, mobile operations, and traffic pacing operations is required. Submit routine requests to the Engineer 14 calendar days in advance of planned lane closures, mobile operations, and traffic pacing operations. Requests for planned lane closures are to be submitted through the Authority's One.network Platform and the

Department's Lane Closure Notification System (LCNS). For unforeseen events that require cancelling or rescheduling lane closures, mobile operations, and traffic pacing operations, revise the lane closure request as soon as possible.

Record information for lane closures, including but not limited to begin and end lane closure times and locations, into the Authority's One.network Platform and the Department's LCNS. Lane closures are to be activated in the One.network and LCNS within five minutes of placing the first channelizing device and deactivated within 5 minutes removing the last channelizing device associated with the closure.

At the preconstruction conference, submit a request for access to the Authority's One.network Platform and the Department's lane closure notification system to the Engineer. Include the name, email address, level of access required, and a copy of the individual's certification of training for Contractor personnel requiring access to the Authority's One.network Platform and the Department's LCNS. For change of access requests, submit a request to the Engineer at least ten calendar days in advance of when the change is needed.

102-3.3.1 Traffic Pacing: In addition to dates and locations, include a pacing plan outlining the expected equipment and number of traffic control officers required, the proposed traffic pacing lengths and durations, the available existing egresses in the event of an emergency, and a contingency plan in the event of an equipment failure.

APPENDICES

TECHNICAL SPECIAL PROVISIONS

The following Technical Special Provision is individually signed and sealed but are included as part of this Specifications Package.

TECHNICAL SPECIAL PROVISION FOR
SECTION T660

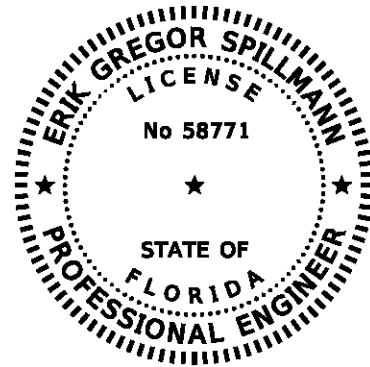
Pedestrian / Queue Detection System

PROJECT ID: HI-0314-C2026

HILLSBOROUGH COUNTY

The official record of this Technical Special Provision has been electronically signed and sealed using a Digital Signature as required by Rule 61G 15-23.004, F.A.C.

Signature and Seal: Erik Spillmann, PE
Date: January 20, 2026
State of Florida,
Professional Engineer, License No.: 58771
Firm/Agency Name: BCC Engineering, LLC
Firm/Agency Address: 160 N. Westmonte Drive, Suite #2000
City, State, Zip Code: Altamonte Springs, FL 32714
Page(s): 2



T660

PEDESTRIAN / QUEUE DETECTION SYSTEM

T660-4.6 Pedestrian / Queue Detection System (P/QDS) Field Acceptance Testing:

Conduct field acceptance testing for each crosswalk to be monitored by a PDS sensor. Test all local system functions using the installed PDS equipment as detailed in the Plans and approved by the Engineer. Testing must demonstrate that:

1. Physical construction has been completed as specified in the Plans and all existing and proposed lanes are clearly visible with no line of site obstructions.
2. The quality and tightness of ground and surge protector connections.
3. Proper voltages for all power supplies and related power circuits.
4. All connections, including correct installation of communication and power cables.
5. If P/QDS sensor fails to pass its acceptance test, correct the unit, or substitute another unit in its place, then repeat the test.

T660-4.6.1 Sensor Integration Validation: Conduct this test on detection zones to be detected by the P/QDS as shown in the Plans.

Verify the Transportation Management Center (TMC) workstation can access the controller website. Verify that controller is receiving detection data.

Integration of the PDS Sensor into the system shall be completed to ensure accurate detection. Activation of flashers under various operating conditions shall be tested. P/QDS sensors shall be subjected to the following test runs in both daytime and nighttime conditions:

1. For each detection zone (occupied or unoccupied), no false detection changes shall occur during the stability period.
2. Record a minimum of two entrance events and two exit events during the test cycle for each detection zone. Events must be spaced a minimum of five minutes apart to allow for system reset and revalidation. Confirm that flash activation is synchronized with events.

THIS COMPLETES THIS SPECIFICATIONS PACKAGE

TAMPA-HILLSBOROUGH
EXPRESSWAY AUTHORITY

CONTRACT PLANS

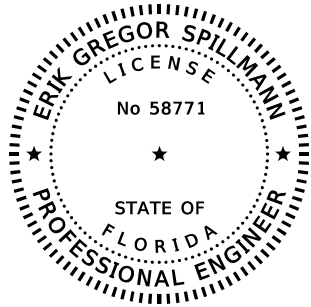
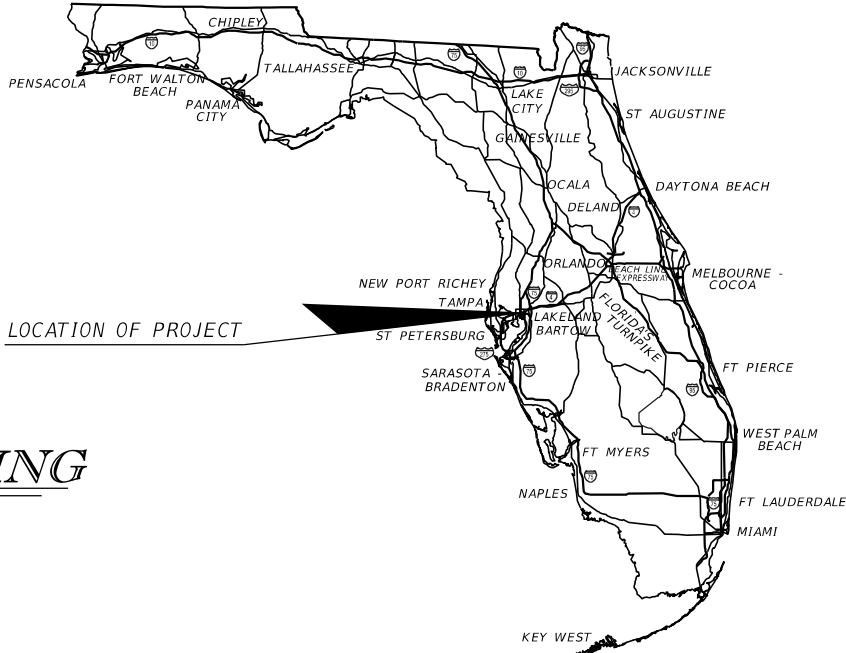
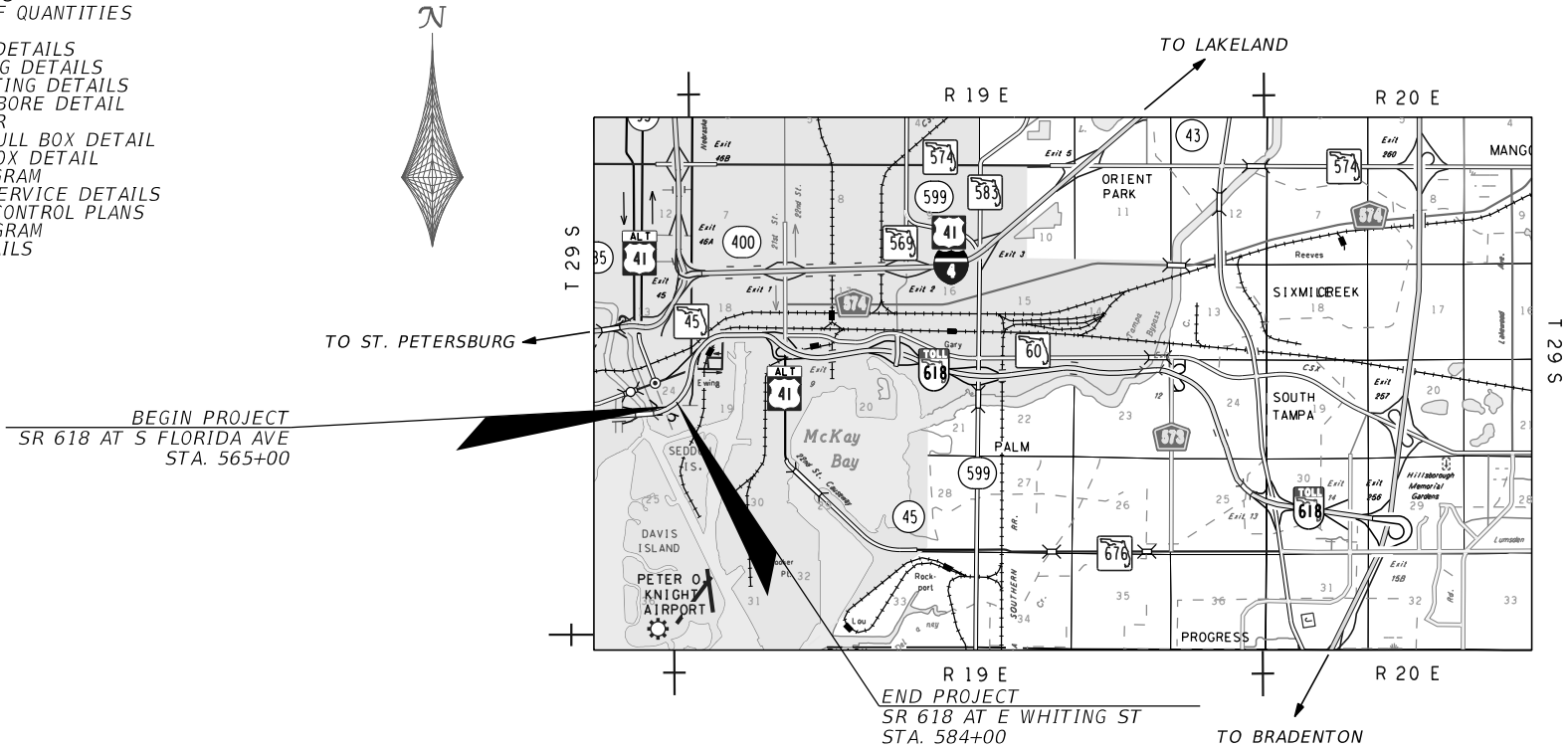
CONSTRUCTION PROJECT NO. HI-0314-C2026
HILLSBOROUGH COUNTY
LEE ROY SELMON CROSSTOWN EXPRESSWAY
STATE ROAD NO. 618

BROREIN QUEUE DETECTION AND MONITORING

INTELLIGENT TRANSPORTATION SYSTEMS PLANS

INDEX OF ITS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-01	KEY SHEET
IT-02	GENERAL NOTES
IT-03	TABULATION OF QUANTITIES
IT-04 TO IT-09	ITS PLANS
IT-10	ITS CABINET DETAILS
IT-11 TO IT-13	POLE MOUNTING DETAILS
IT-14 TO IT-15	BRIDGE MOUNTING DETAILS
IT-16	DIRECTIONAL BORE DETAIL
IT-17	ROUTE MARKER
IT-18	ELECTRICAL PULL BOX DETAIL
IT-19	FIBER PULL BOX DETAIL
IT-20	SPLICING DIAGRAM
IT-21	ELECTRICAL SERVICE DETAILS
IT-22 TO IT-23	ITS TRAFFIC CONTROL PLANS
IT-24	NETWORK DIAGRAM
IT-25	CONDUIT DETAILS



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL IS
RESPONSIBLE FOR THE FOLLOWING SHEETS
IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INTELLIGENT TRANSPORTATION
SYSTEMS PLANS
ENGINEER OF RECORD:

PLANS PREPARED BY:

ERIK SPILLMANN, P.E. NO. 58771
BCC ENGINEERING, LLC.
160 N. WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
VENDOR NO.: 65-0540100

THEA PROJECT MANAGER:

JUDITH VILLEGAS, E.I.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2026-27 Standard Plans for Road and Bridge Construction, and applicable Interim Revisions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website:
<http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2026 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SHEET
NO.

IT-01

GENERAL:

1. ELECTRICAL CONDUCTOR SPLICES AND CONNECTIONS MADE IN ELECTRICAL PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT PULL BOXES AND PULL BOXES WHERE A GIVEN PHASE OR GROUND CONDUCTOR WILL RUN IN MORE THAN TWO CONDUITS.
2. CONTRACTOR TO LOG INTO FOLLOWING LINKED ESRI FORM AND PROVIDE INFORMATION WHENEVER THEY ACCESS THE CABINET. LINK TO THE ESRI FORM:



PULL BOXES/ SPLICE VAULTS/ ITS MANHOLES:

1. EXISTING IS TO REMAIN UNLESS SPECIFIED IN PLAN SHEETS

UTILITIES:

1. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNED VV, VH AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

UTILITY OWNERS	CONTACT	TELEPHONE
FIBERLIGHT LLC.	NEIL CLEVELAND	(813) 877-7185
AT&T	STEVE HAMER/MIKE GAMBOA	(813) 888-8300 EXT. 201
SPECTRUM SUNSHINE STATE, LLC.	MICHAEL DECROIX	(727) 329-2951
DELTACOM	LOCAL DESK	(800) 289-1901
BLACK & VEATCH TAMPA IF	KEN SOULE	(913) 458-4667
KINDER MORGAN/CENTRAL FLORIDA PIPELINE	MARK CLARK	(727) 271-0024
DEAKIN PROPERTY SERVICES INC.	BARBARA DEAKIN	(813) 839-2811
FLORIDA GAS TRANSMISSION COMPANY	JOSEPH E. SANCHEZ	(407) 838-7171
ZAYO GROUP/FORMERLY LIGHTWAVE, LLC.	HENRY KLOBUCAR	(406) 496-6510
FRONTIER COMMUNICATIONS	TONI CANNON	(813) 875-1014
HILLSBOROUGH COUNTY SHERIFF'S OFFICE	JEFF KEITH	(813) 290-2270
HILLSBOROUGH COUNTY CLERK OF CIRCUIT CO.	TAEIA AMITUANAI	(813) 276-2029 EXT. 4294
HILLSBOROUGH COUNTY TRAFFIC SERVICE UNIT	DARRYLE NORTON	(813) 744-5788 (FAX)
HILLSBOROUGH COUNTY PUBLIC UTILITIES DEP.	LISA MURRIN	(813) 272-5977

CONDUIT:

1. CONDUIT LOCATIONS AS SHOWN ON THE PLANS MUST BE ADHERED TO IN ORDER TO AVOID FUTURE GRADING, WALLS AND DRAINAGE INSTALLATION. CONDUIT SHALL BE PLACED WITHIN THE RIGHT-OF-WAY BUT CAN BE ADJUSTED TO FIT AROUND THE EXISTING AND PROPOSED UTILITIES. ANY DEVIATION FROM THE PLANS SHALL BE APPROVED AND AS-BUILT BY THE ENGINEER OF RECORD. PROPOSED FOUNDATIONS AND ITS BOXES SHALL AVOID BEING PLACED WITHIN DRAINAGE FEATURES.
2. HORIZONTAL DEPTH SHALL BE IN ACCORDANCE WITH FDOT UTILITY ACCOMMODATION MANUAL (2017).

3. CONDUIT AND CABLING TO REMAIN UNLESS CALLED OUT IN PLANS.

MAINTENANCE OF COMMUNICATION (MOC) PHASING NOTES:

1. ENSURE THE PROTECTION OF EXISTING SPLICES WHEN WORKING IN EXISTING SPLICE ENCLOSURES, ESPECIALLY WHEN SPLICING IN THE SAME BUFFER TUBE OR SPLICE TRAY.

PROJECT CONTROL NOTES:

1. PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, OF THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD 83/2011) AS ESTABLISHED FROM NATIONAL GEODETIC SURVEY (NGS) CONTROL STATION DESIGNATED "Q 18" (PID (PERMANENT IDENTIFIER) AG6038).
2. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE ALIGNMENT SHOWN HEREON IS BASED ON PROVIDED SURVEY.

PAY ITEM NOTE:

1. 611-1-1, 611-2-2: ENTER AS-BUILT DATA INTO THEA'S ARCGIS PLATFORM
2. 660-4-12 - PAY ITEM INCLUDES CABLING FROM CABINET AND ABOVEGROUND EQUIPMENT. FOR PEDESTRIAN DETECTION PROVIDE AND CONFIGURE DERO AI POWERED DETECTION EQUIPMENT. FOR VEHICLE DETECTION ON RAMP PROVIDE AND CONFIGURE FLIR TRAFISENSE SENSORS.
3. 670-5-180: PROVIDE AND CONFIGURE Q-FREE 2070LDX CONTROLLER WITH MAXTIME IC CONTROLLER SOFTWARE. CONFIGURE CONTROLLER FOR TMC REMOTE CONTROL.
4. 684-1-3: THEA WILL PROVIDE THE CONFIGURED RUGGEDCOMM RSG920P MANAGED FIELD ETHERNET SWITCH AND THE 6GK6000-8FG52-0AA0 SFP MODULE LC-INTERFACE. PROVIDE 8 WEEKS NOTIFICATION PRIOR TO PICKING UP THE SWITCH. FURNISH AND INSTALL ALL FIBER PATCH CABLES AND ETHERNET COPPER CABLES. CONSULT THE ENGINEER FOR THE SWITCH PORT NUMBER TO CONNECT EACH OF THE DEVICES.
5. 715-61-200: PAY ITEM DOES NOT INCLUDE LUMINAIRE & SUPPORT ARM.
6. 639-1-122: COORDINATE WITH THE AUTHORITY AND TECO TO ASSIGN THE NEW SERVICE TO AN EXISTING AUTHORITY TECO ACCOUNT. THE NEW SERVICE WILL BE ADDED TO THE AUTHORITY'S ACCOUNT UPON COMPLETION OF AN INSPECTION PERFORMED BY THE AUTHORITY'S MAINTENANCE GROUP AND BEFORE THE METER IS ENERGIZED.
7. 639-8-120: TECO WORK ORDERS WILL BE INITIATED BY THE CONTRACTOR AND PAID DIRECTLY BY THE AUTHORITY.

LEGEND:

	EXISTING ITS CONDUIT RUN		PROPOSED SPLICE BOX
	PROPOSED CONDUIT RUN OPEN TRENCH		EXISTING SPLICE VAULT
	PROPOSED CONDUIT RUN DIRECTIONAL BORE		PROPOSED FIBER PULL BOX
	PROPOSED BRIDGE MOUNT CONDUIT		EXISTING FIBER PULL BOX
	PROPOSED ITS POLE		PROPOSED ELECTRICAL PULL BOX
	EXISTING ITS POLE		EXISTING ELECTRICAL PULL BOX
	PROPOSED SERVICE POLE		PROPOSED FIBER JUNCTION BOX
	EXISTING SERVICE POLE		EXISTING FIBER JUNCTION BOX
	ELECTRICAL SOURCE (OVERHEAD)		PROPOSED AERIAL JUNCTION BOX
	ELECTRICAL SOURCE (BASE MOUNT)		EXISTING AERIAL JUNCTION BOX
	VIDEO DETECTION CAMERA		PROPOSED NEMA ENCLOSURE
	CONNECTED VEHICLE ROADSIDE UNIT		EXISTING NEMA ENCLOSURE
	CCTV CAMERA		PROPOSED POLE MOUNT CABINET
			EXISTING POLE MOUNT CABINET
			PROPOSED BASE MOUNT CABINET
			EXISTING BASE MOUNT CABINET

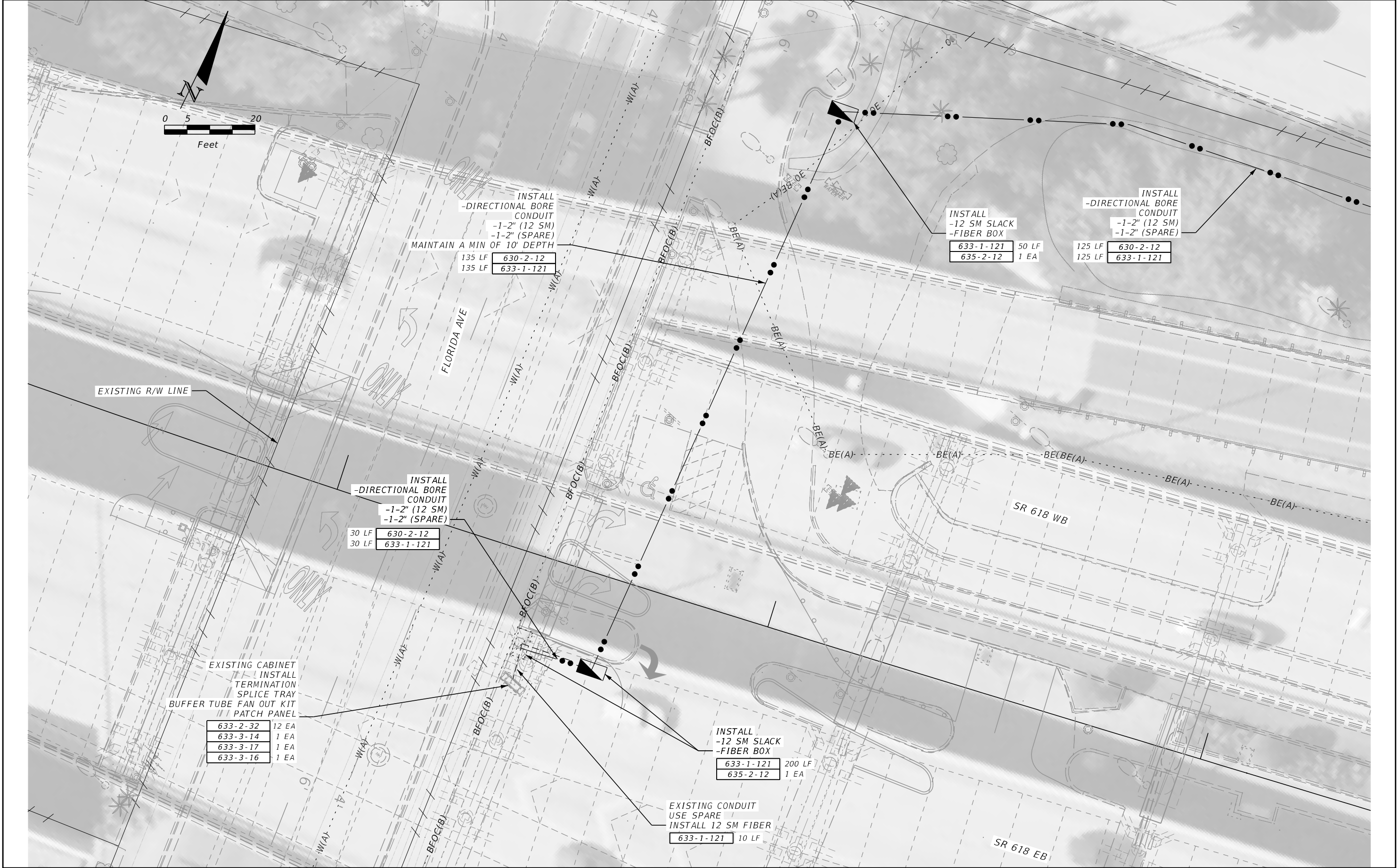
ABBREVIATIONS:

AC=ALTERNATING CURRENT
BE=BURIED ELECTRIC
BT=BURIED TELEPHONE
CKT=CIRCUIT
COMM.=COMMUNICATIONS
CV=CONNECTED VEHICLES
DC=DIRECT CURRENT
EB=EASTBOUND
FO=FIBER OPTIC
FOC=FIBER OPTIC CABLE
HIL=HILSBOROUGH
LHUB=LOCAL HUB
OE=OVERHEAD ELECTRIC
PIN=PINELLAS
RSU=ROADSIDE UNIT
SM=SINGLE MODE
VAC=VOLTS, ALTERNATING CURRENTS
W=WATER LINE
WB=WESTBOUND
WWD=WRONG WAY DEVICE

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-02

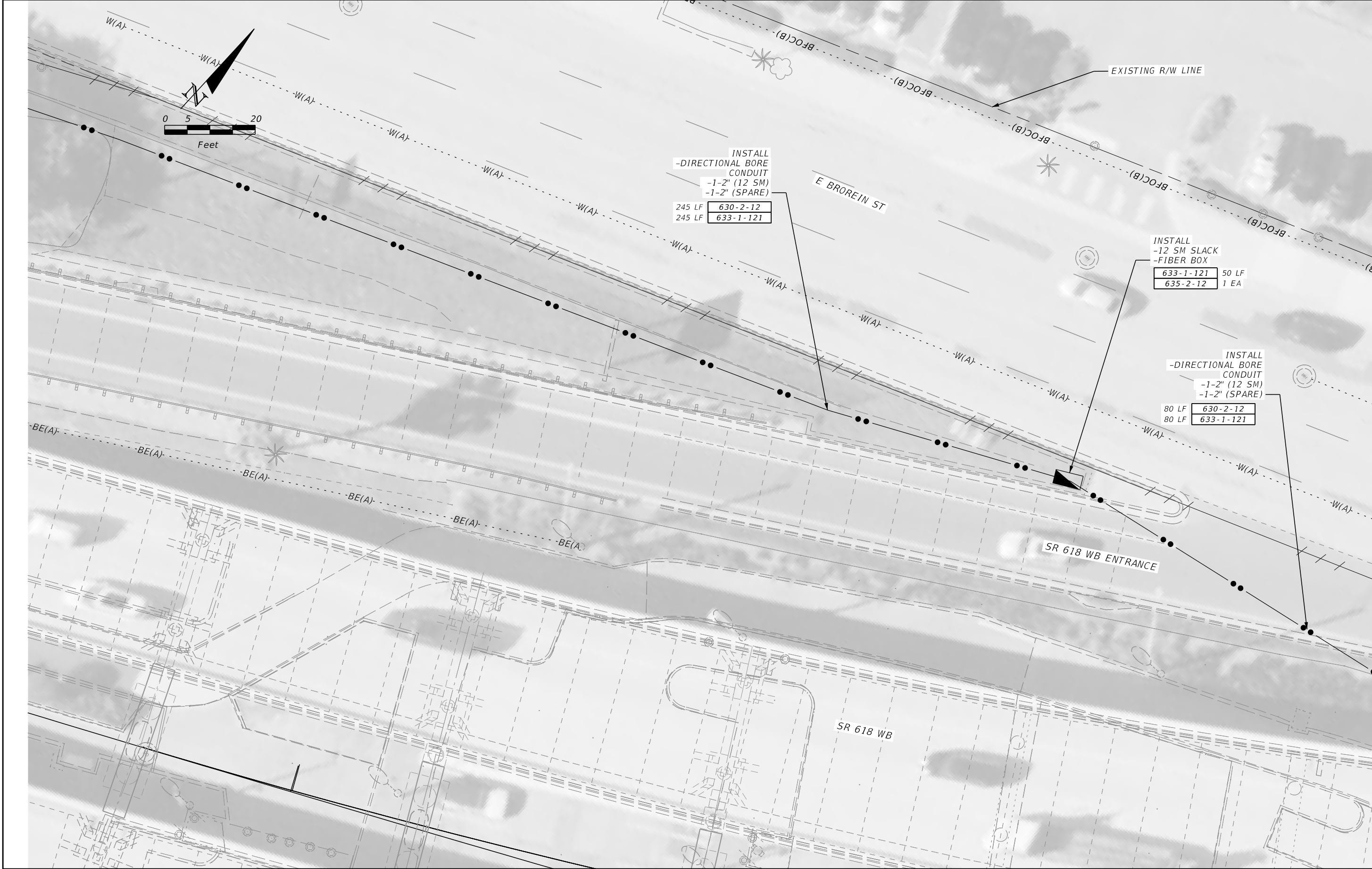
TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		
			IT-04		IT-05		IT-06		IT-07		IT-08		IT-09												
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN
101-1	MOBILIZATION	LS																				1		1	
102-1	MAINTENANCE OF TRAFFIC	LS																				1		1	
102-60	WORK ZONE SIGN	ED																				10800		10800	
102-74-1	CHANNELING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED																				800		800	
102-99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED																				207		207	
102-115	TYPE III BARRICADE	ED																				200		200	
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI																				0.32		0.32	
611-2-2	ITSFMLOCATION DOCUMENTATION- ITS SITE	EA																				1		1	
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF					160		260													420		420	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	290		325		260															875		875	
630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF							100		630		670									1400		1400	
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF					80		310		315		335									1040		1040	
633-1-121	FIBER OPTIC CABLE, F&I, UG, 12 FIBERS	LF	550		375		410															1335		1335	
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	12				12															24		24	
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	1				1															2		2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL - FIELD TERMINATED	EA					1															1		1	
633-3-17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	1				1															2		2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE,F&I, PATCH PANEL	EA	1																			1		1	
633-6	FIBER OPTIC CABLE LOCATOR	DA																				60		60	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA					3		1													4		4	
635-2-12	PULL & SPLICE BOX, 24"X36" COVER SIZE	EA	2		1		4															7		7	
635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA							1					2								3		3	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS					1															1		1	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF					65															65		65	
639-8-120	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), TECO (DO NOT BID)	LS																				1		1	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA					1															1		1	
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA					2															2		2	
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA					2		1				2									5		5	
670-5-180	TRAFFIC CONTROLLER ASSEMBLY, F&I, CALTRANS W/STANDARD LOCK	AS					1															1		1	
682-1-173	ITS CCTV CAMERA, NON-PRESSURIZED, IP, HIGH DEFINITION	EA					1															1		1	
684-1-3	MANAGED FIELD ETHERNET SWITCH, INSTALL	EA					1															1		1	
685-1-11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA					1															1		1	
685-2-1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA					1															1		1	
700-1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA							1													1		1	
700-1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA					2															2		2	
700-1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA							1													1		1	
700-141-112	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I GROUND MOUNT, W/BEACON, 12-20 SF OF STATIC SIGN PANELS	EA							1													1		1	
700-141-412	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I BARRIER SIDE MOUNT, W/BEACON, 12-20 SF OF STATIC SIGN PANELS	EA											2									2		2	
715-61-100	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 0' ARM LENGTH	EA					1															1		1	
715-61-200	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 0' ARM LENGTH	EA					1															1		1	

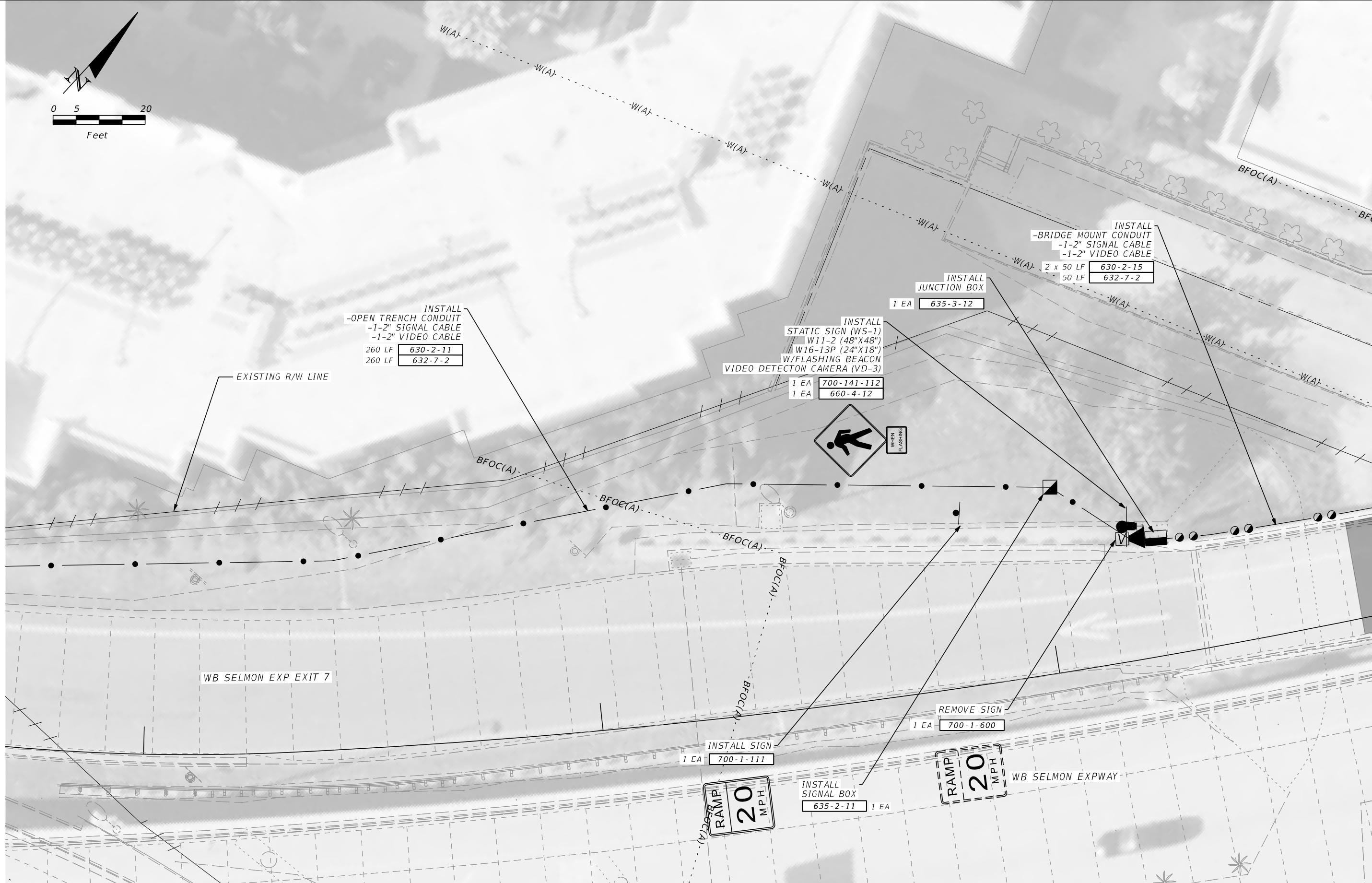


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO. IT-04
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		

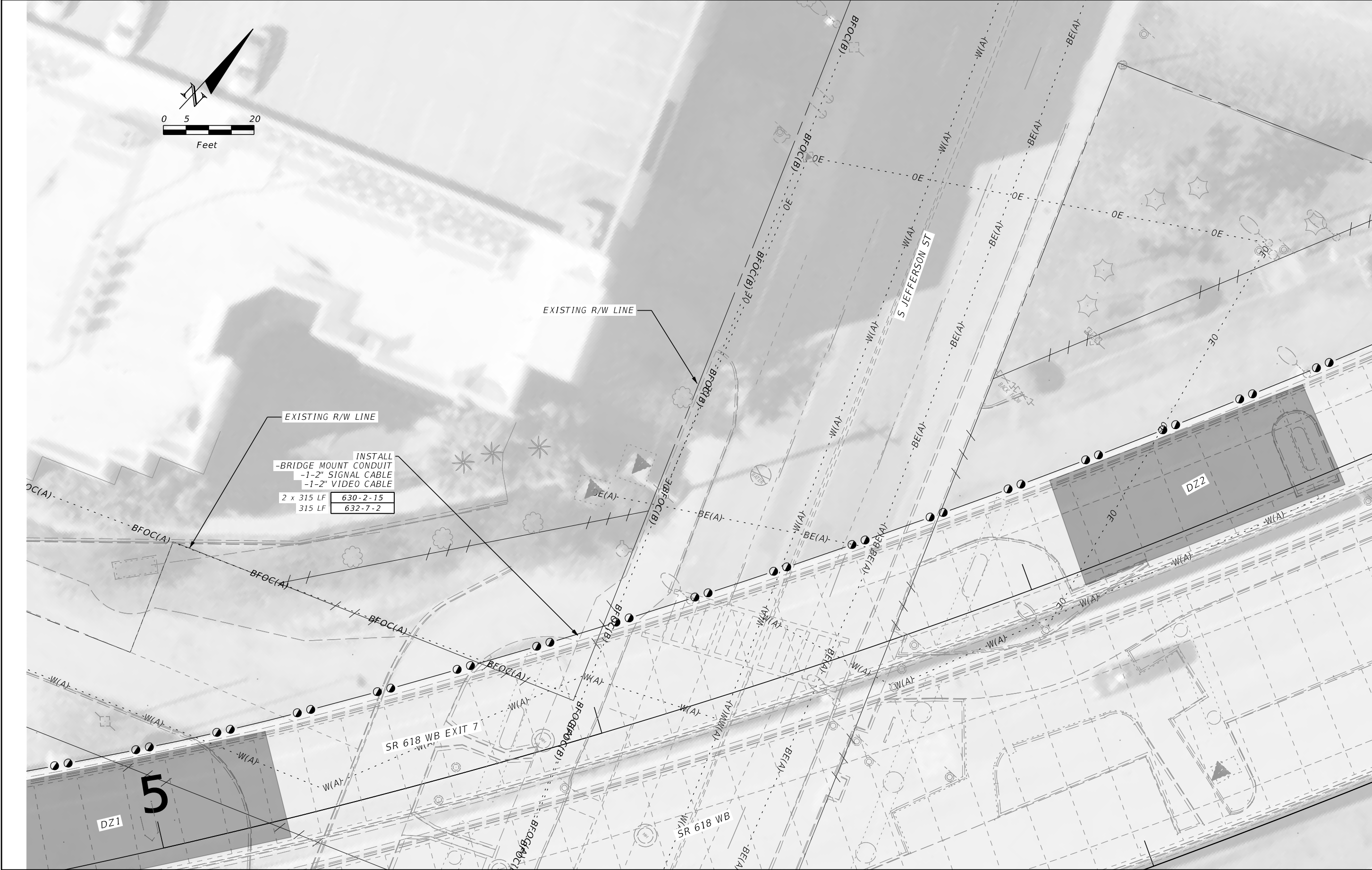
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

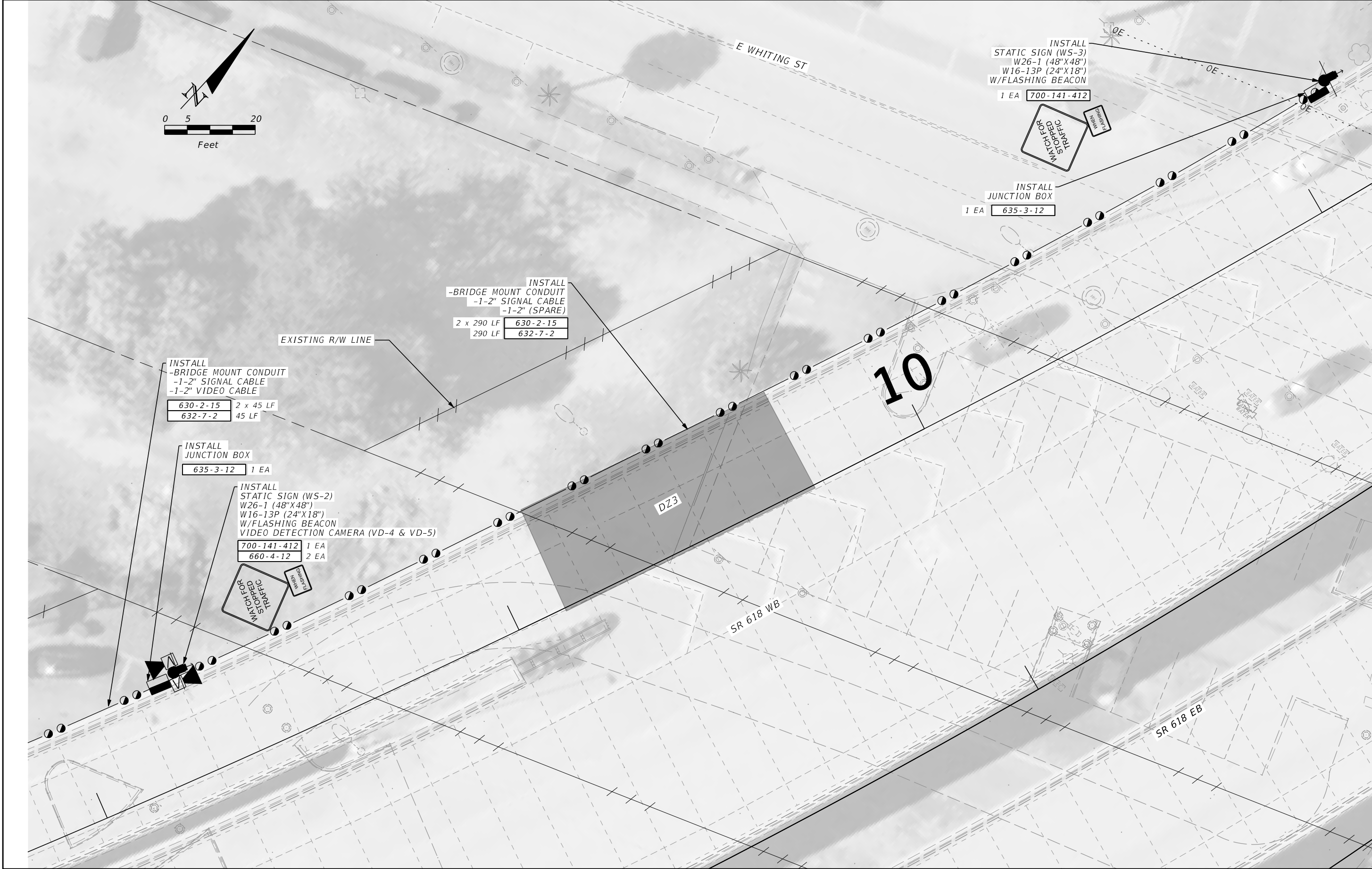


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS SHEET NO. IT-07
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 618	HILLSBOROUGH	HI-0314-C2026	

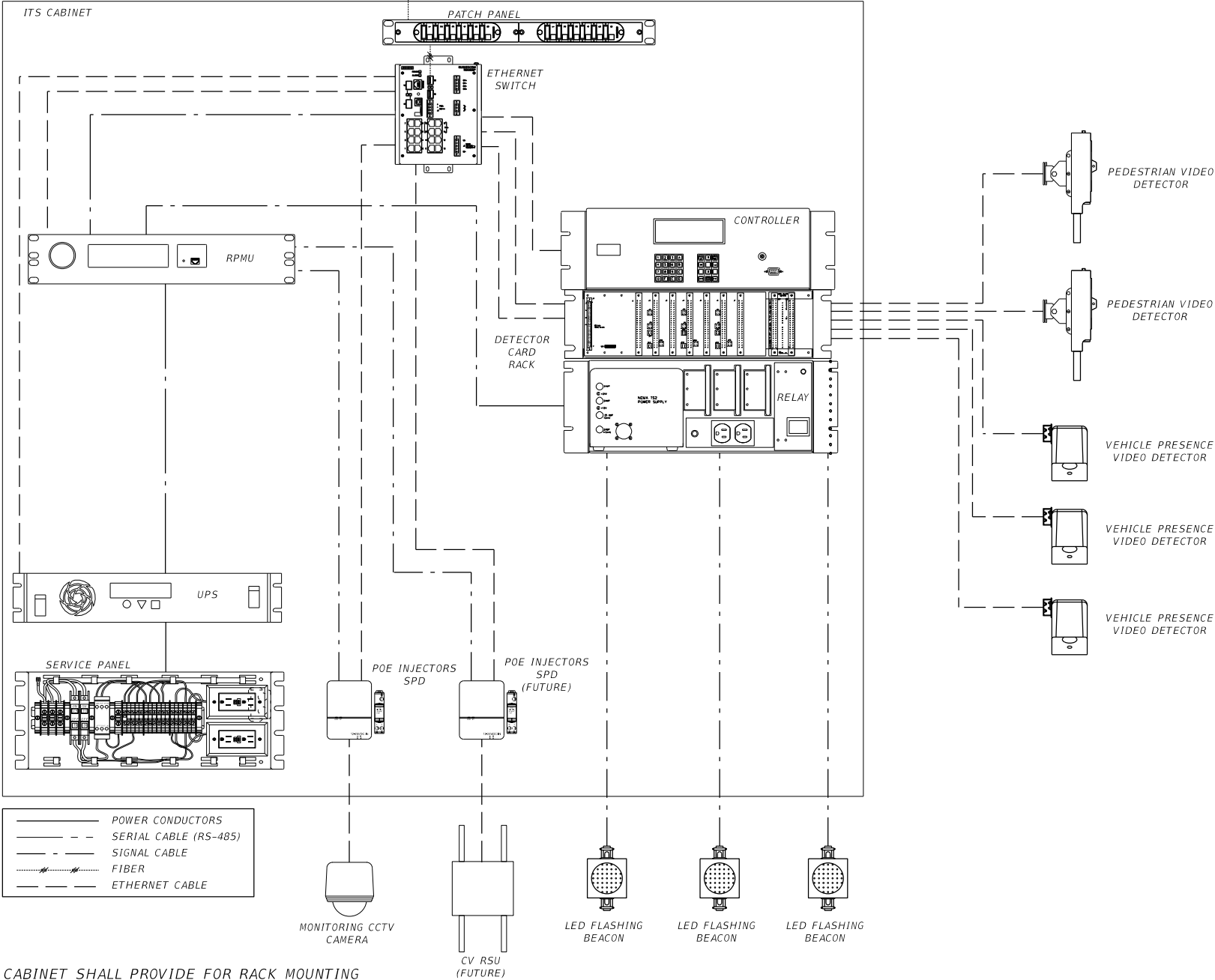
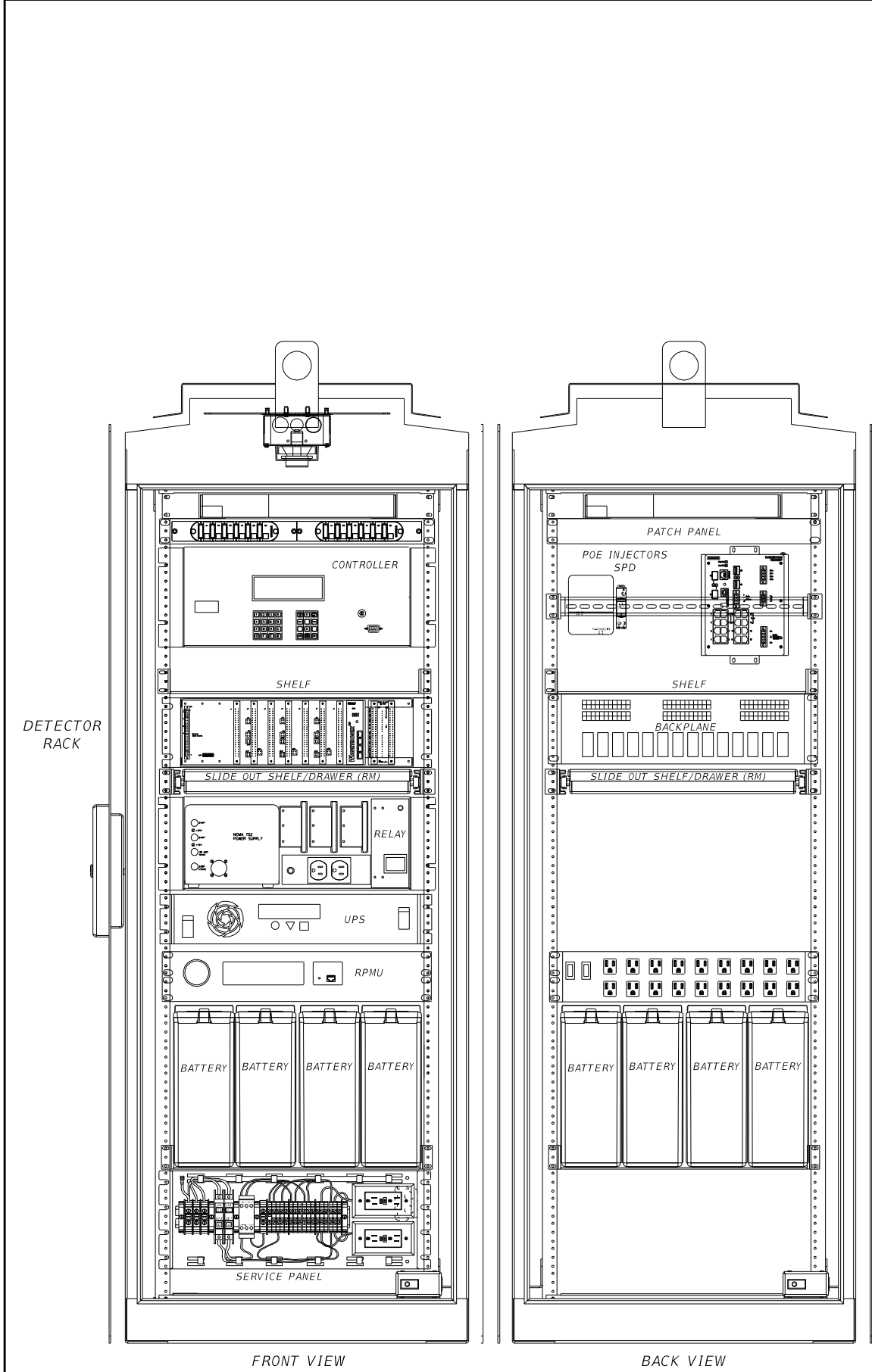


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

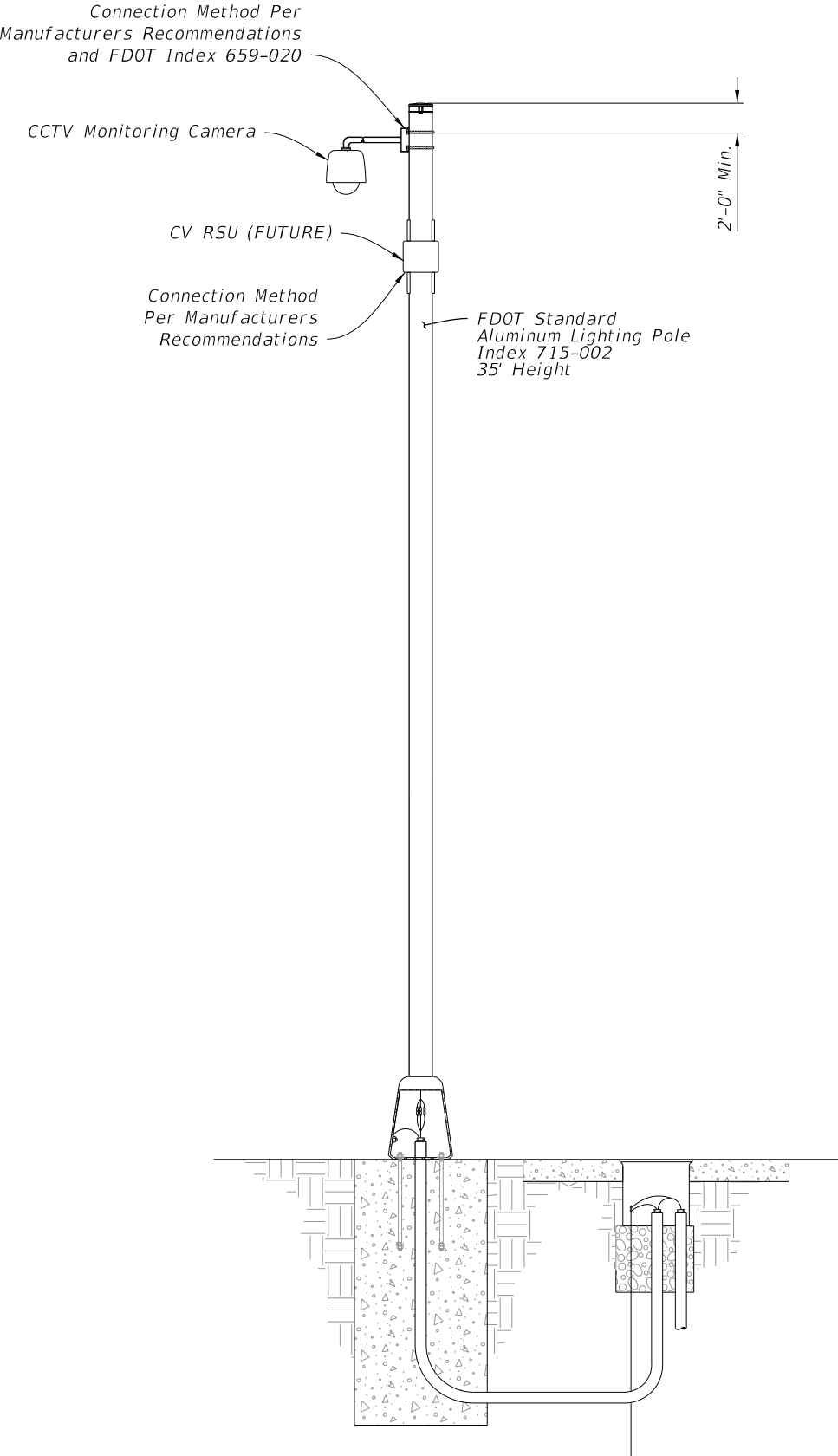
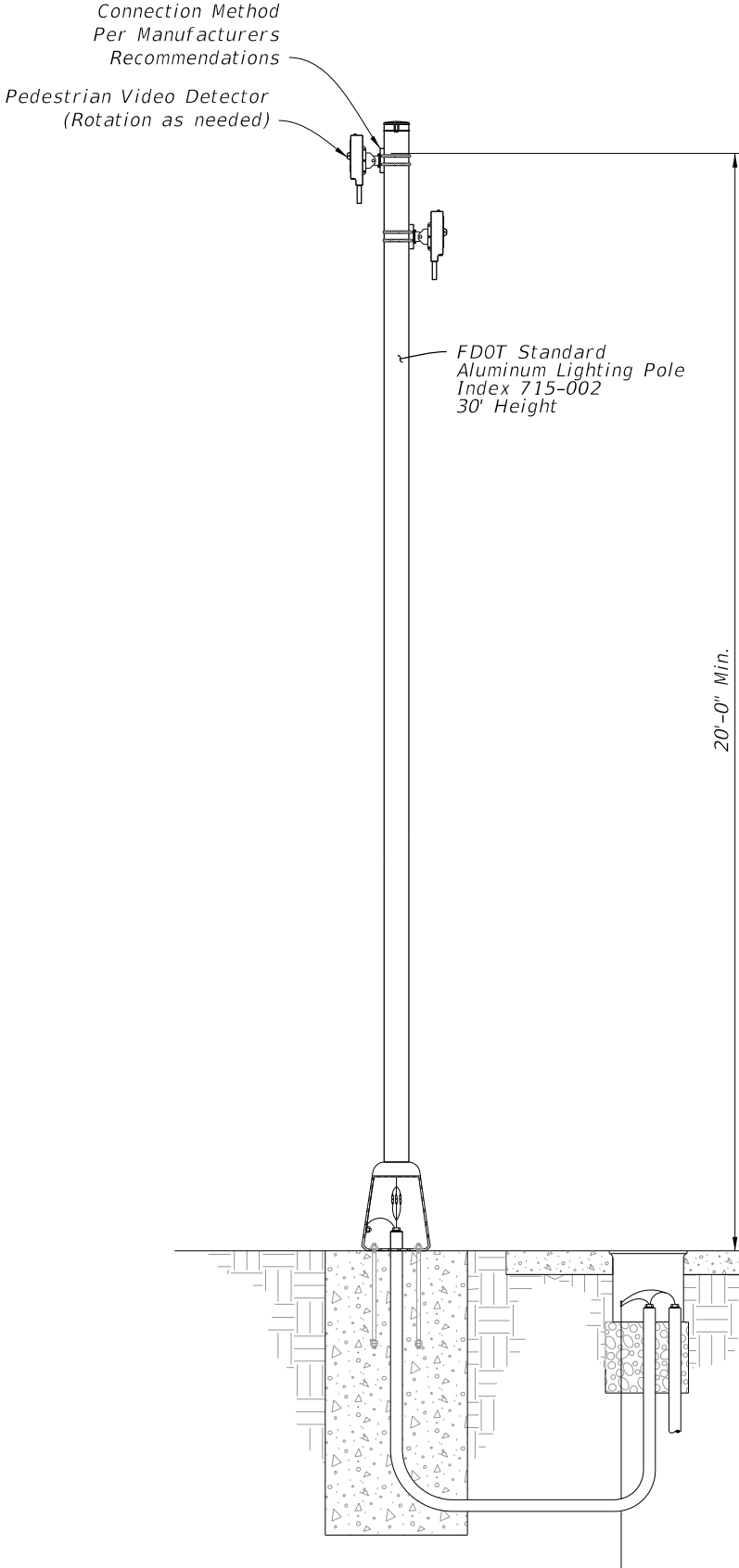


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-C
					SR 618	HILLSBOROUGH	HI-0314-C2026		

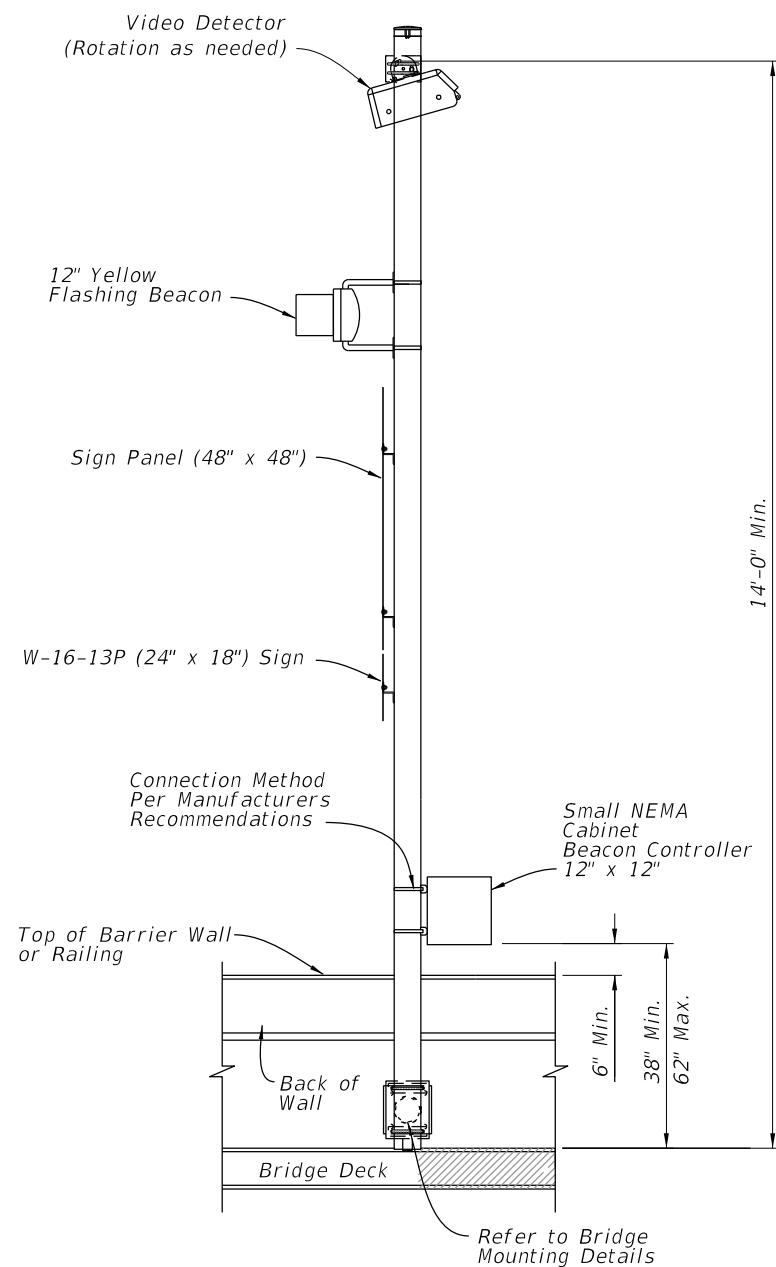


- NOTES:
1. THE CABINET SHALL PROVIDE FOR RACK MOUNTING AND SHELVING OF ALL EQUIPMENT.
 2. CABINETS SHALL BE TYPE 170 MODEL 336 AND FABRICATED IN ACCORDANCE TO SECTION 676 OF THE FDOT MINIMUM SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND DEVICES.
 3. BUS RATING SHALL BE A MINIMUM OF THE FULL ELECTRICAL LOAD WHEN ALL CABINET AND EXTERNAL DEVICES ARE ACTIVE.
 4. 19" DOUBLE DIN RAIL SHALL BE GROUNDED PER AND MANUFACTURER'S RECOMMENDATIONS.
 5. CONTRACTOR SHALL SUBMIT A CABINET LAYOUT/WIRING DIAGRAM FOR APPROVAL.
 6. EQUIPMENT PLACEMENT ARE TYPICAL.

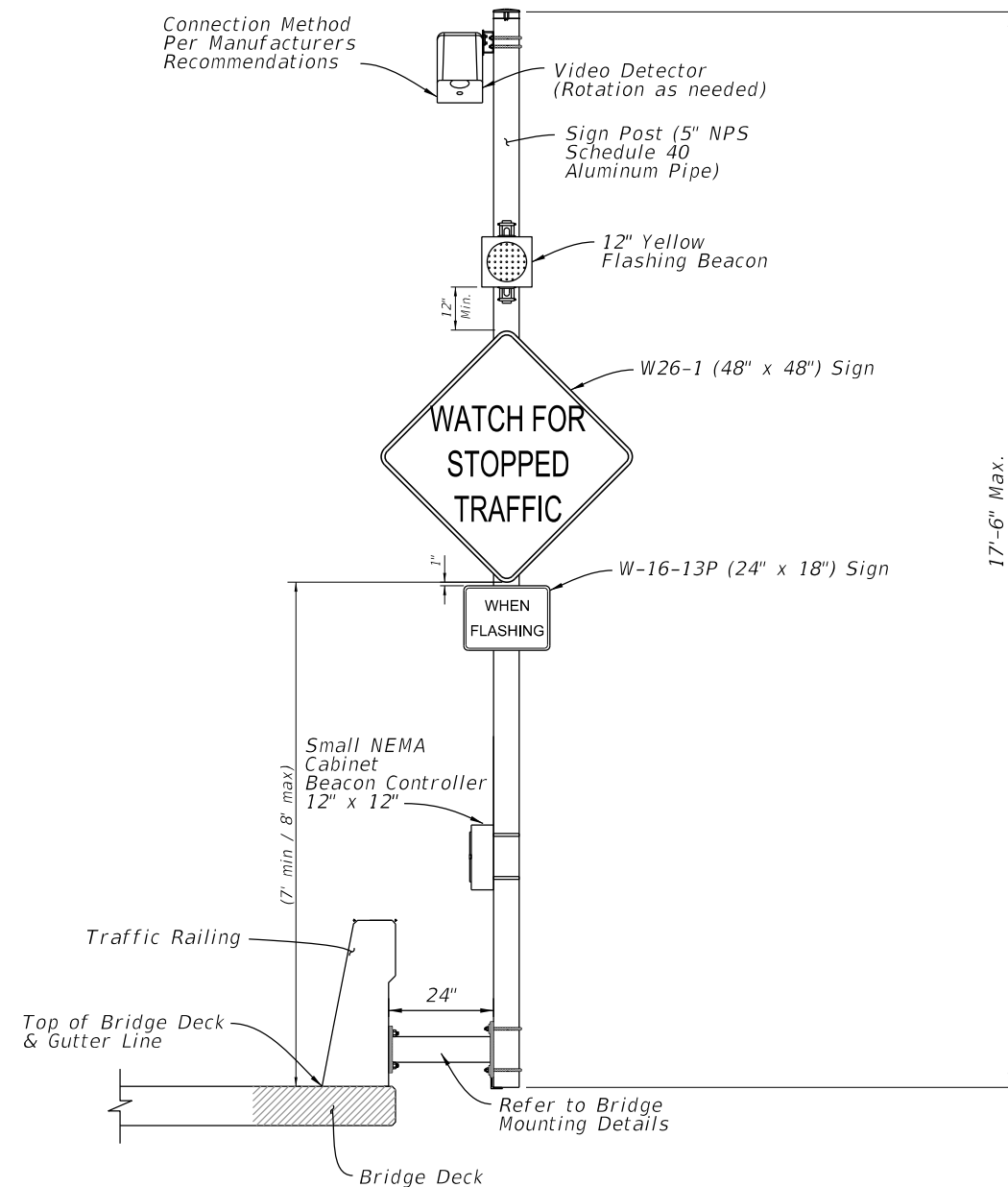
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS CABINET DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-10



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-11
					SR 618	HILLSBOROUGH	HI-0314-C2026		

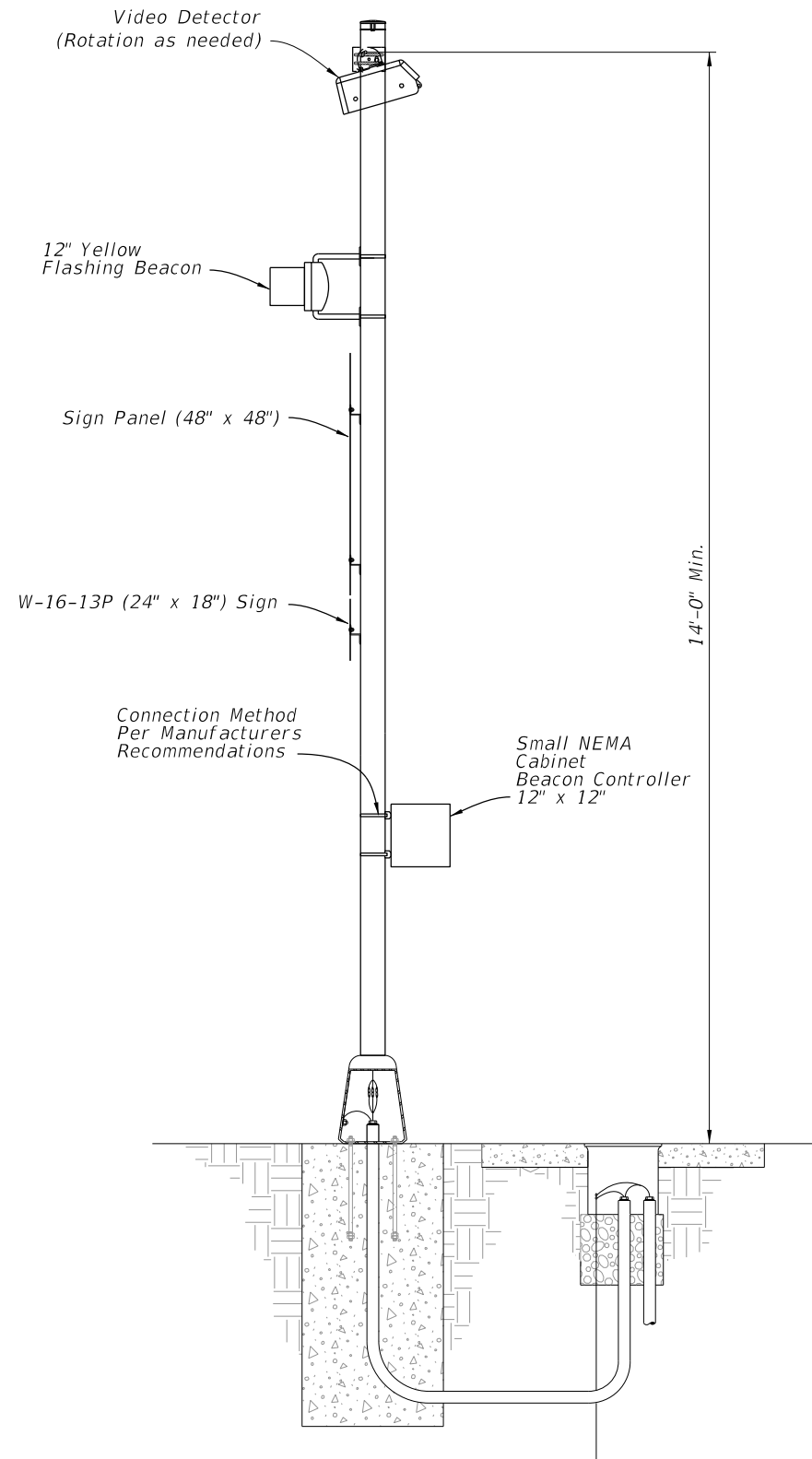


==BACK FACE OF RAILING ELEVATION==

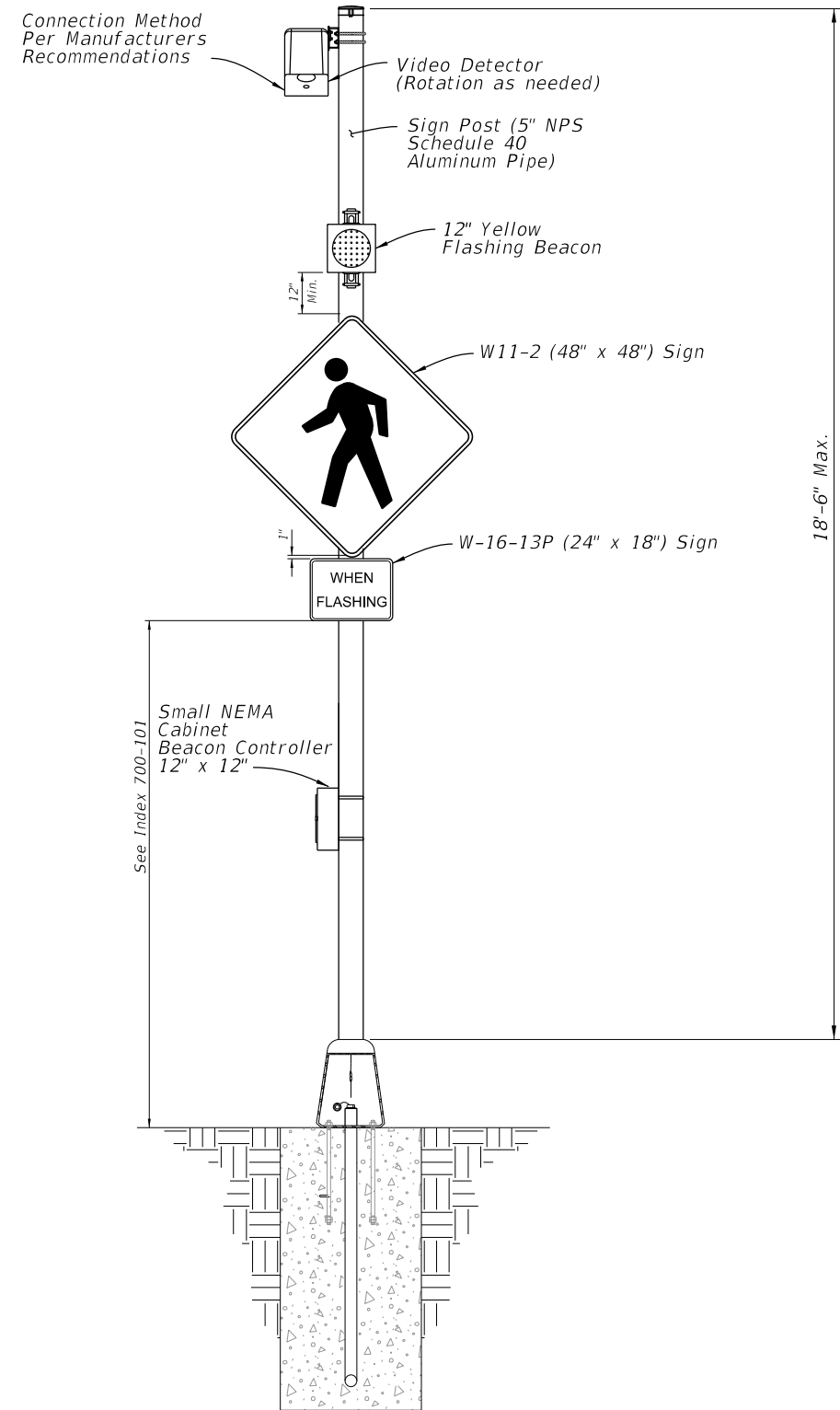


==SIDE ELEVATION==

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS		SHEET NO. IT-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 618	HILLSBOROUGH	HI-0314-C2026			

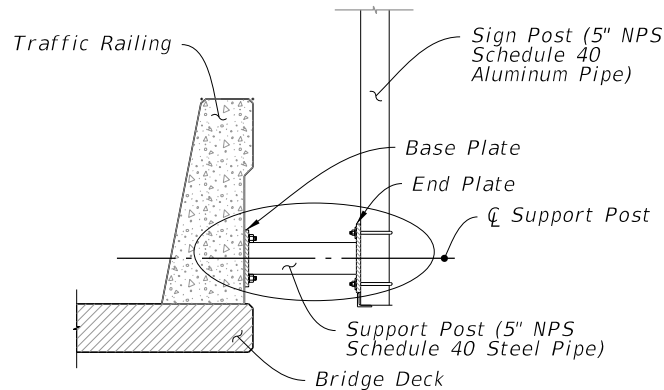


FRONT ELEVATION



SIDE ELEVATION

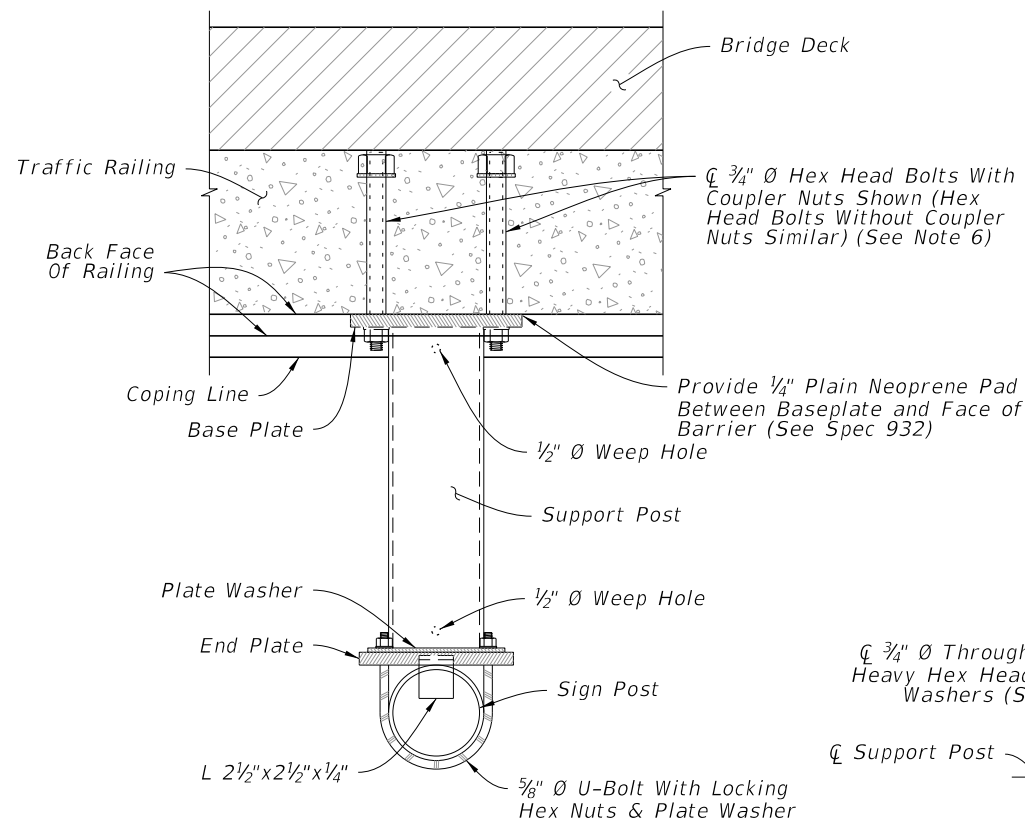
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			POLE MOUNTING DETAILS	SHEET NO. IT-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		



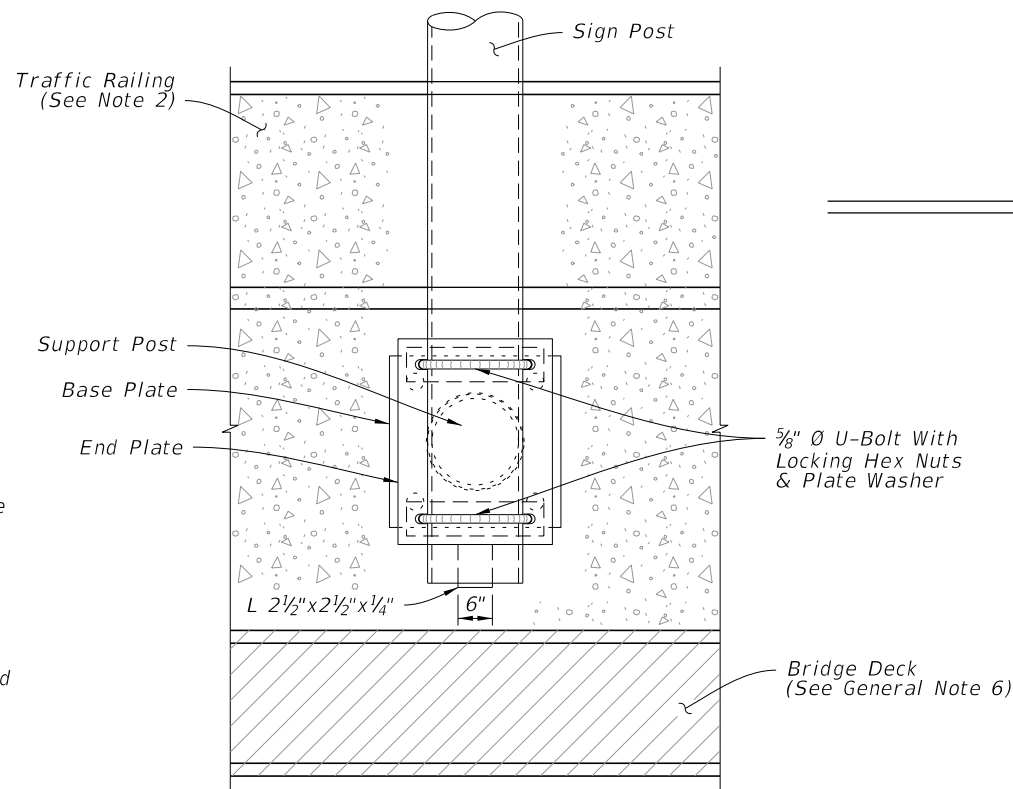
SIGN SUPPORT ASSEMBLY

NOTES:

- For Site Locations, See ITS Plans
- For Bridge Railing Type and Total Height, See Bridge Plans.
- Materials:
 - Steel Plate: ASTM A36 or ASTM A709 Grade 36
 - Steel Pipe (Support Post): ASTM A501 Schedule 40
 - Aluminum Pipe: ASTM 8429 Alloy 6061-T6
 - Galvanized U-Bolts, Nuts and Plate Washer
 - U-Bolts: ASTM A449
 - Hex Nuts: ASTM A 563 Lock Nuts
 - Plate Washer: ASTM A 36 or ASTM A709 Grade 36 or 50
 - Galvanized Anchor bolts, Nuts and Washers:
 - Anchor Bolts: ASTM F 1554 Grade 55 Grade A Hex
 - Nuts: ASTM A563 Heavy Hex Locking
 - Washers: ASTM F436
 - Weld Material: E70XX
- Coating:
 - U-Bolts, Threaded Rods, Nuts and Washers: ASTM F2329
 - Other Steel: ASTM A123
- Fabrication:
 - Weld: Specification 460-6.4
 - Hot dip galvanize after fabrication
- Construction:
 - Locate Sensor Support a maximum of 15 feet from the centerline of the nearest pier or end bent and a minimum of 5 feet from an open joint or transition.
 - Locate existing conduits and reinforcement prior to drilling and adjust placement of base plate as necessary to avoid damaging existing conduits and reinforcement. Base plate must be flush with back of Traffic Railing.
 - For through bolting, countersink the nut and washer so that the bolt and nut does not extend beyond the face of the traffic railing. Do not exceed a countersink depth and diameter of 2½".

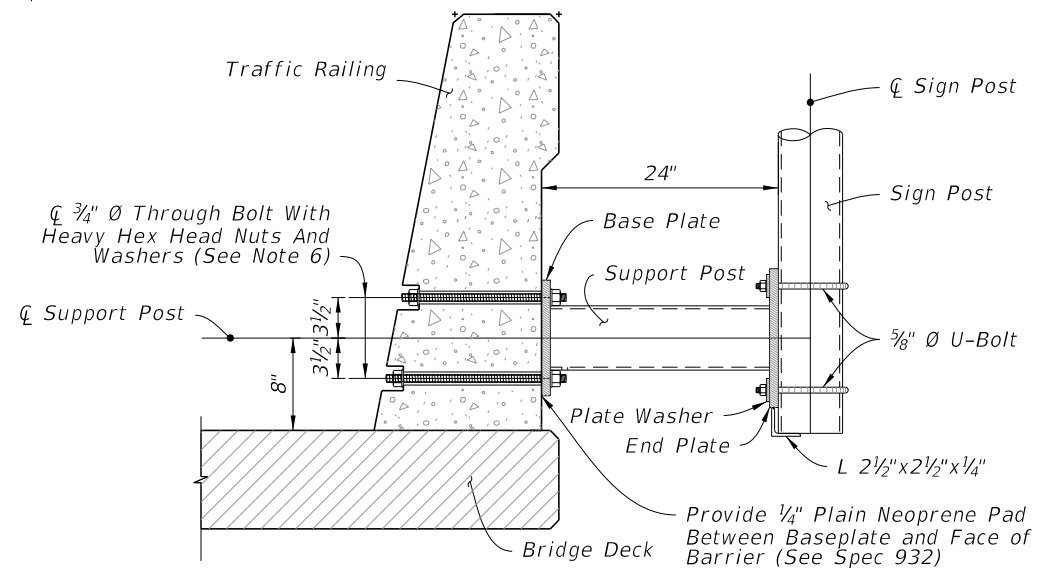


PLAN



ELEVATION

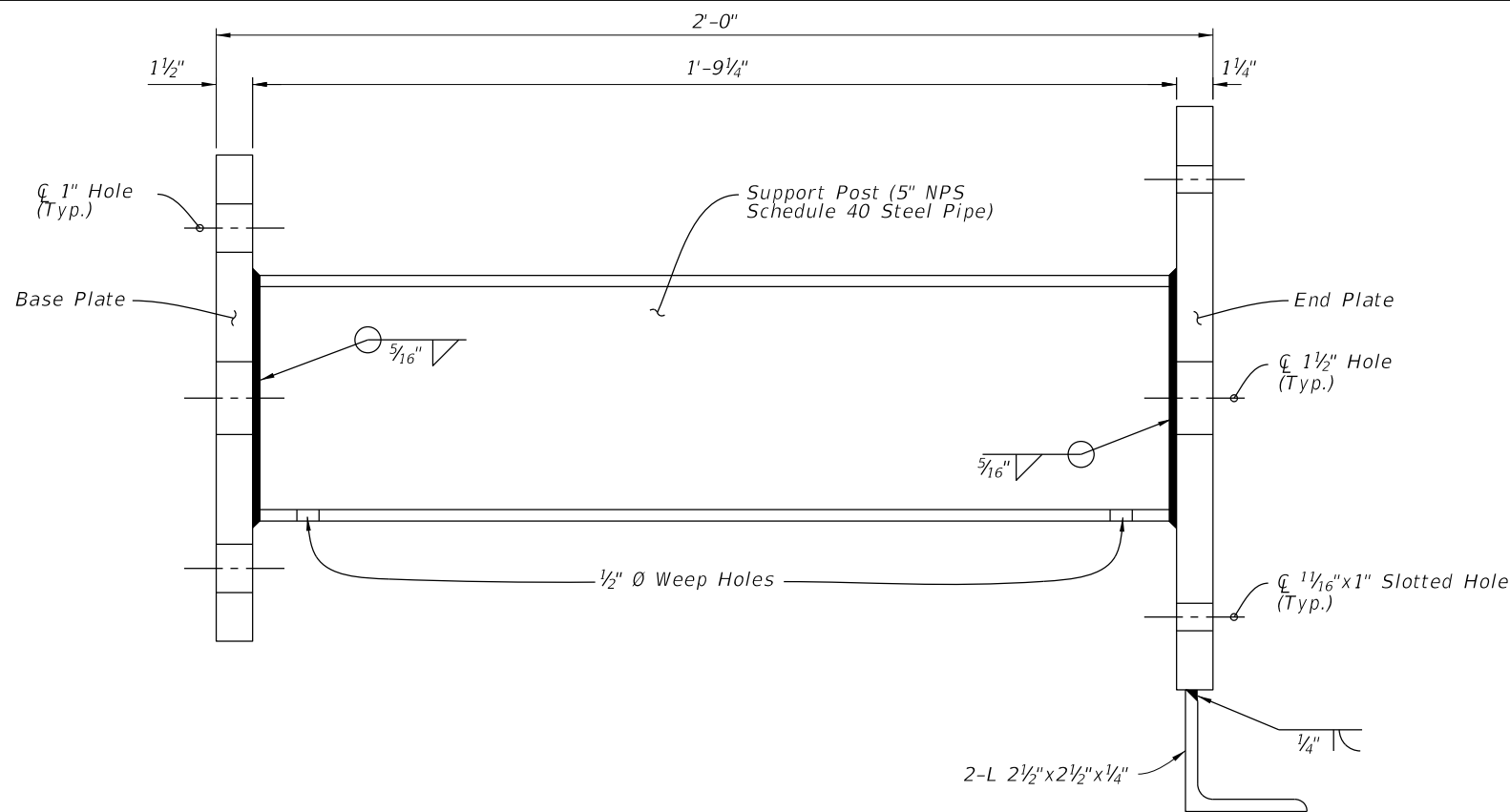
SUPPORT BRACKET



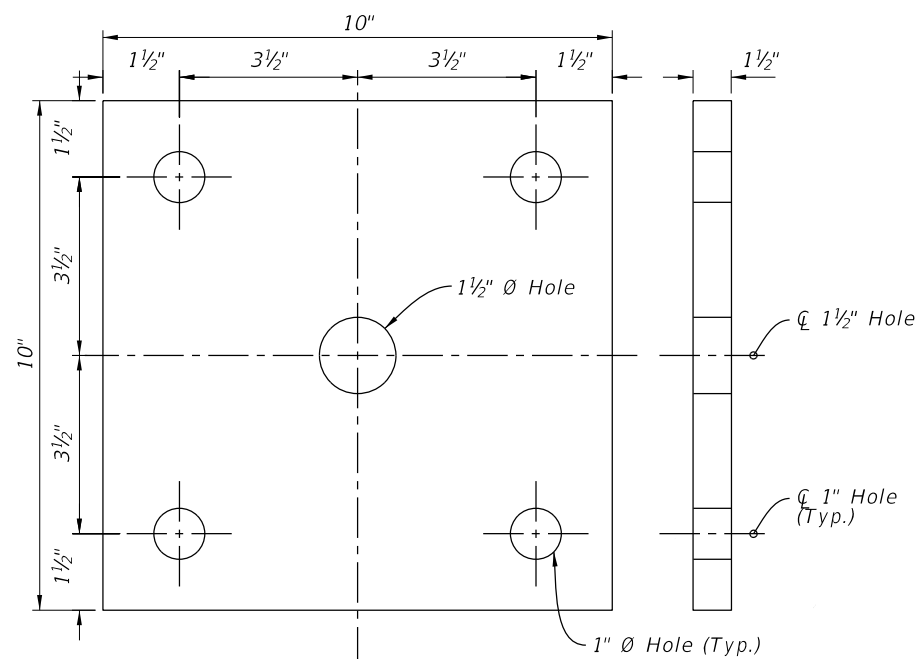
THROUGH BOLTING

TYPICAL SECTION - EXISTING RAILING

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			BRIDGE MOUNTING DETAILS	SHEET NO. IT-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		

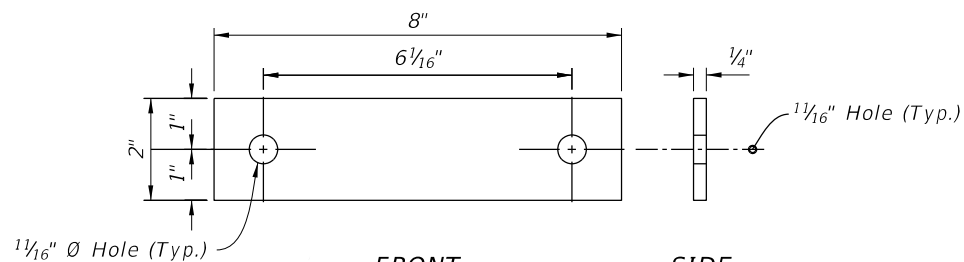


SIGN SUPPORT WELDMENT DETAIL



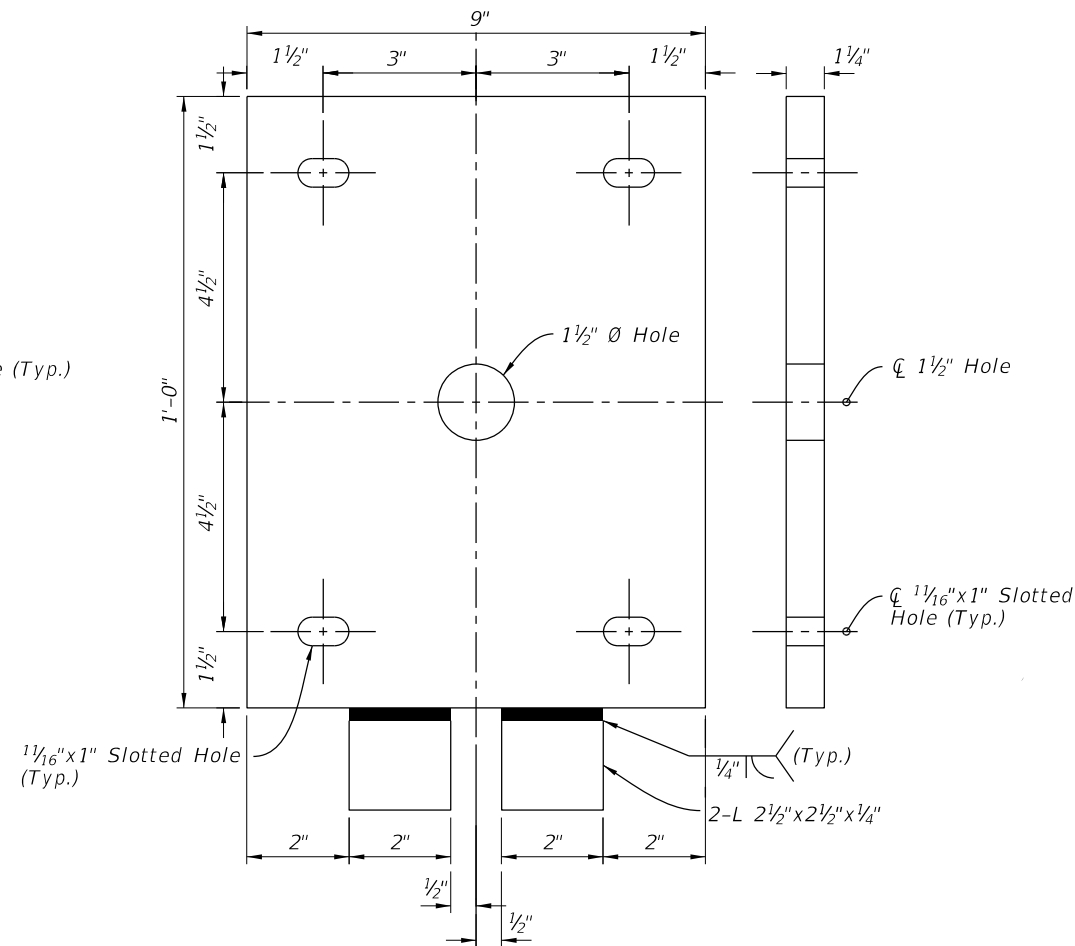
FRONT SIDE

BASE PLATE



FRONT SIDE

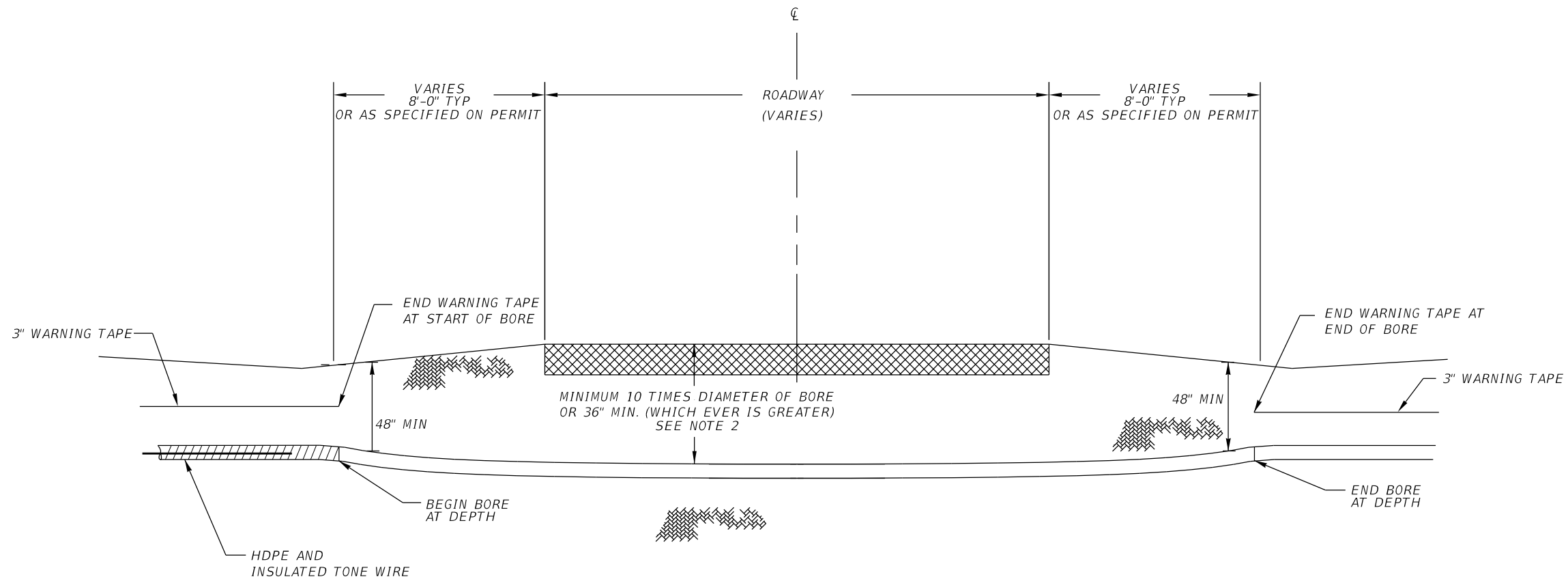
U-BOLT PLATE WASHER



FRONT SIDE

BASE PLATE

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			BRIDGE MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-15



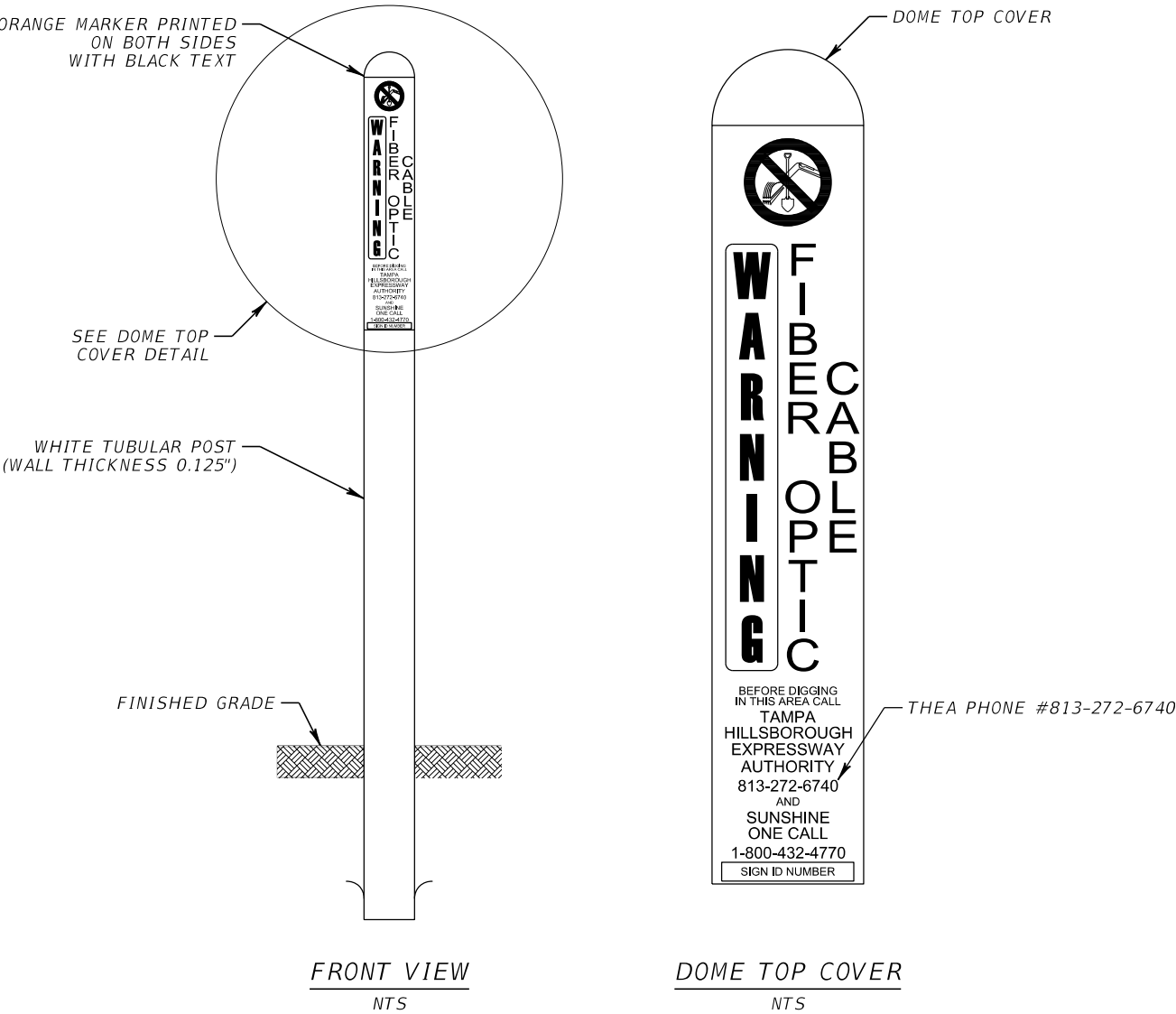
TYPICAL DIRECTIONAL BORE
N.T.S.

NOTES:

1. UTILITY IN THE PATH OF THE BORE SHALL BE LOCATED AND THE DEPTH OF THE BORE CROSSING SHALL BE DELINEATED TO CROSS UNDER OR OVER UTILITY WITH 12" MINIMUM SEPARATION.
2. HORIZONTAL DEPTH SHALL BE IN ACCORDANCE WITH FDOT UTILITY ACCOMMODATION MANUAL (2017)

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			DIRECTIONAL BORE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-16

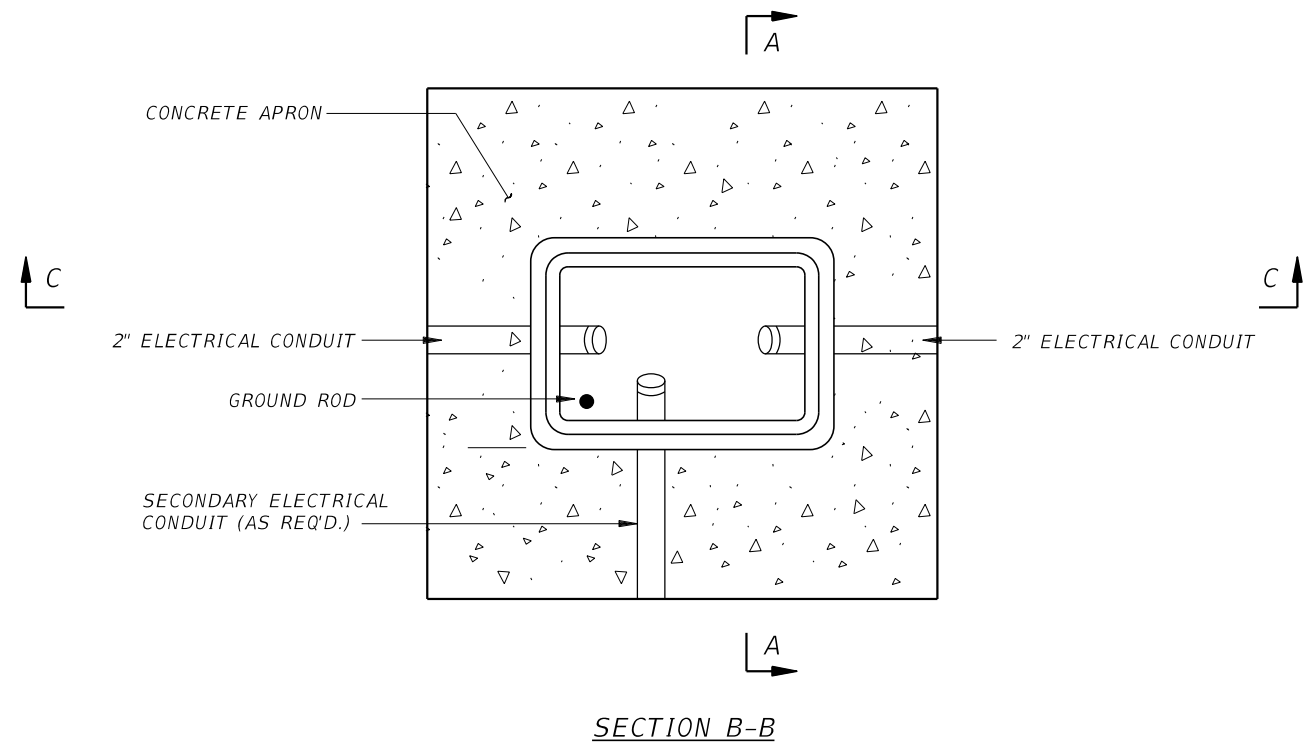
THEA FIBER OPTIC CABLE ROUTE MARKER



NOTES:

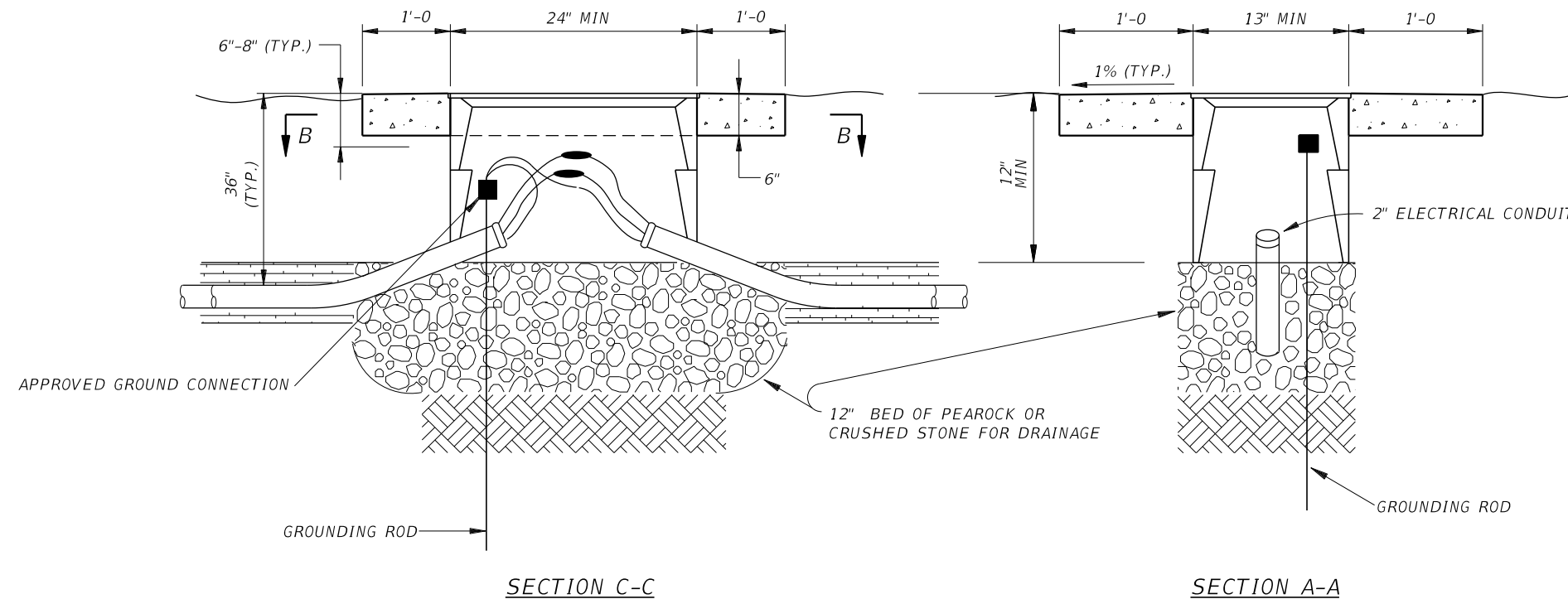
- 1. FOR TRENCH LINES WITH BOTH FIBER OPTIC CABLE AND ELECTRICAL SERVICE WIRE, INSTALL ELECTRICAL MARKER NEXT TO FIBER MARKER. CONTRACTOR TO CONFIRM CONTACT INFORMATION PHONE NUMBERS PRIOR TO PROCURING ROUTE MARKERS.
- 2. A DOME TOP COVER SHALL BE INSTALLED ON EACH MARKER: ORANGE FOR FIBER AND RED FOR ELECTRICAL.
- 3. POST EMBEDMENT AND ANCHORING SHALL CONFORM TO MANUFACTURES RECOMMENDATIONS.

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ROUTE MARKER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-17

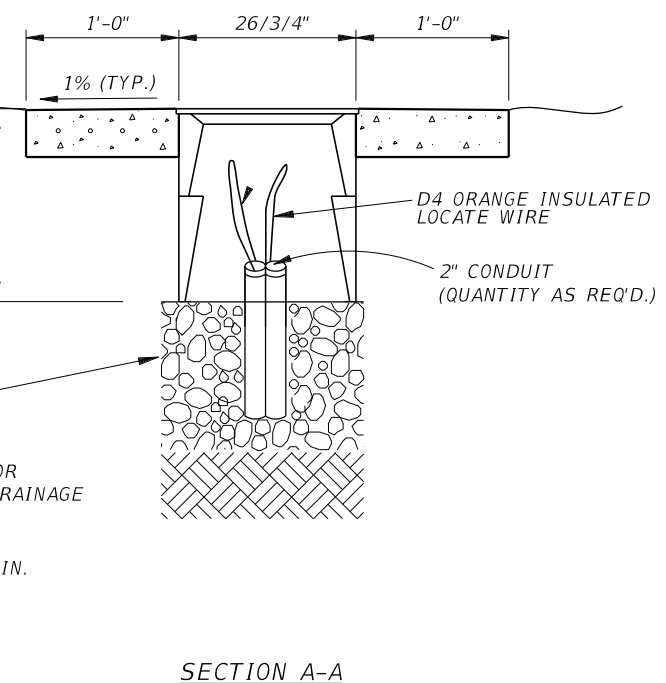
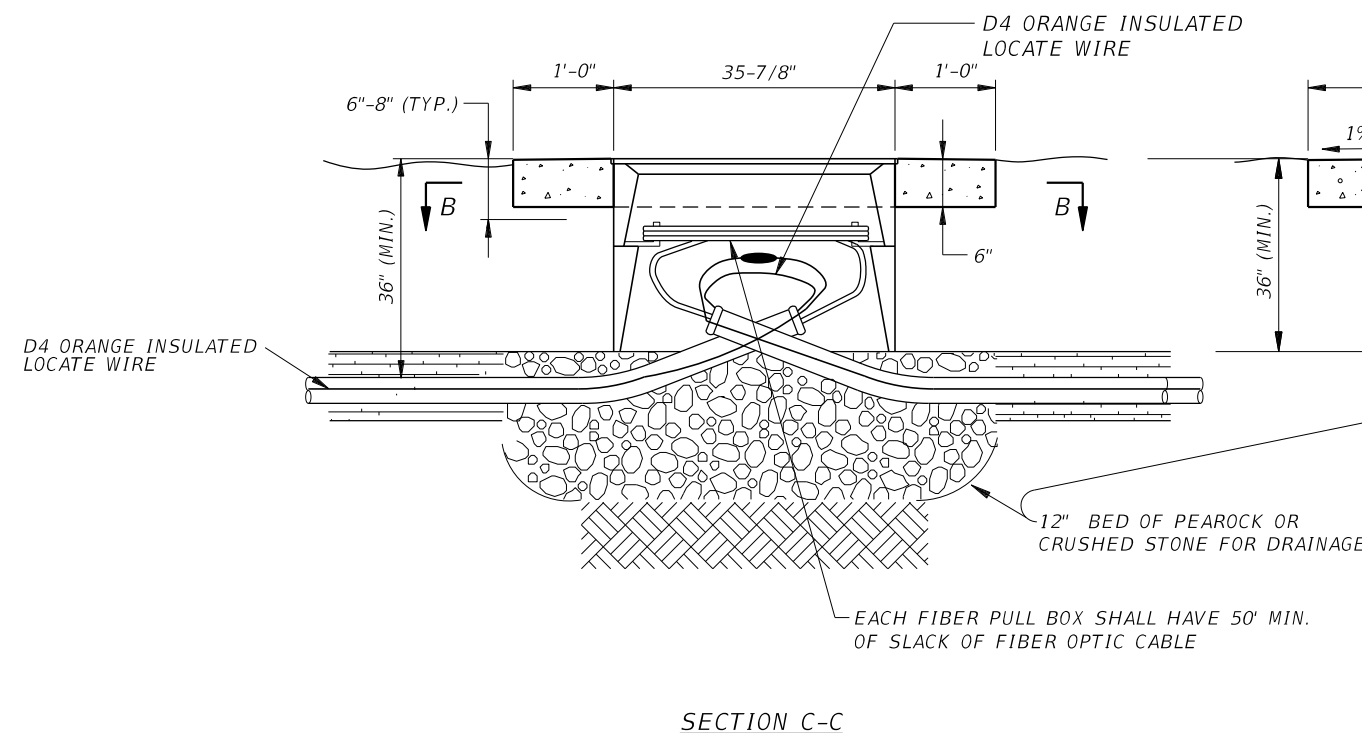
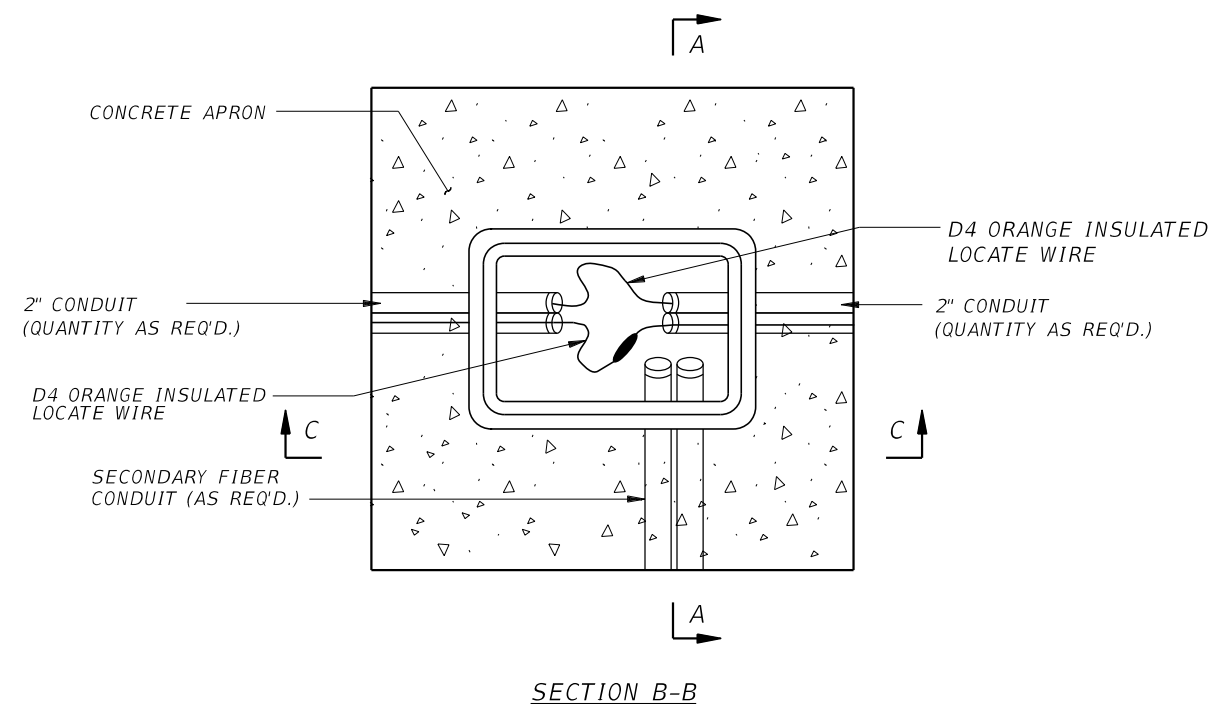


NOTES:

1. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
2. ALL FIBER OPTIC, SIGNAL, & ELECTRIC PULL BOXES SHALL HAVE MINIMUM 1'-0" WIDE x 6" DEEP CONC APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
3. ALL SPLICES SHALL BE MADE IN PULLBOX PROPERLY TAPED AND WEATHERPROOFED.
4. ALL ELECTRICAL SPLICE LOCATIONS SHALL USE POLARIS TAPS OR OTHER METHOD APPROVED BY THE ENGINEER (PER RFP ATTACHMENT L, SECTION 10.1).
5. ELECTRICAL PULL BOX COVERS LABELING TO BE DETERMINED FOR NEXT SUBMITTAL.

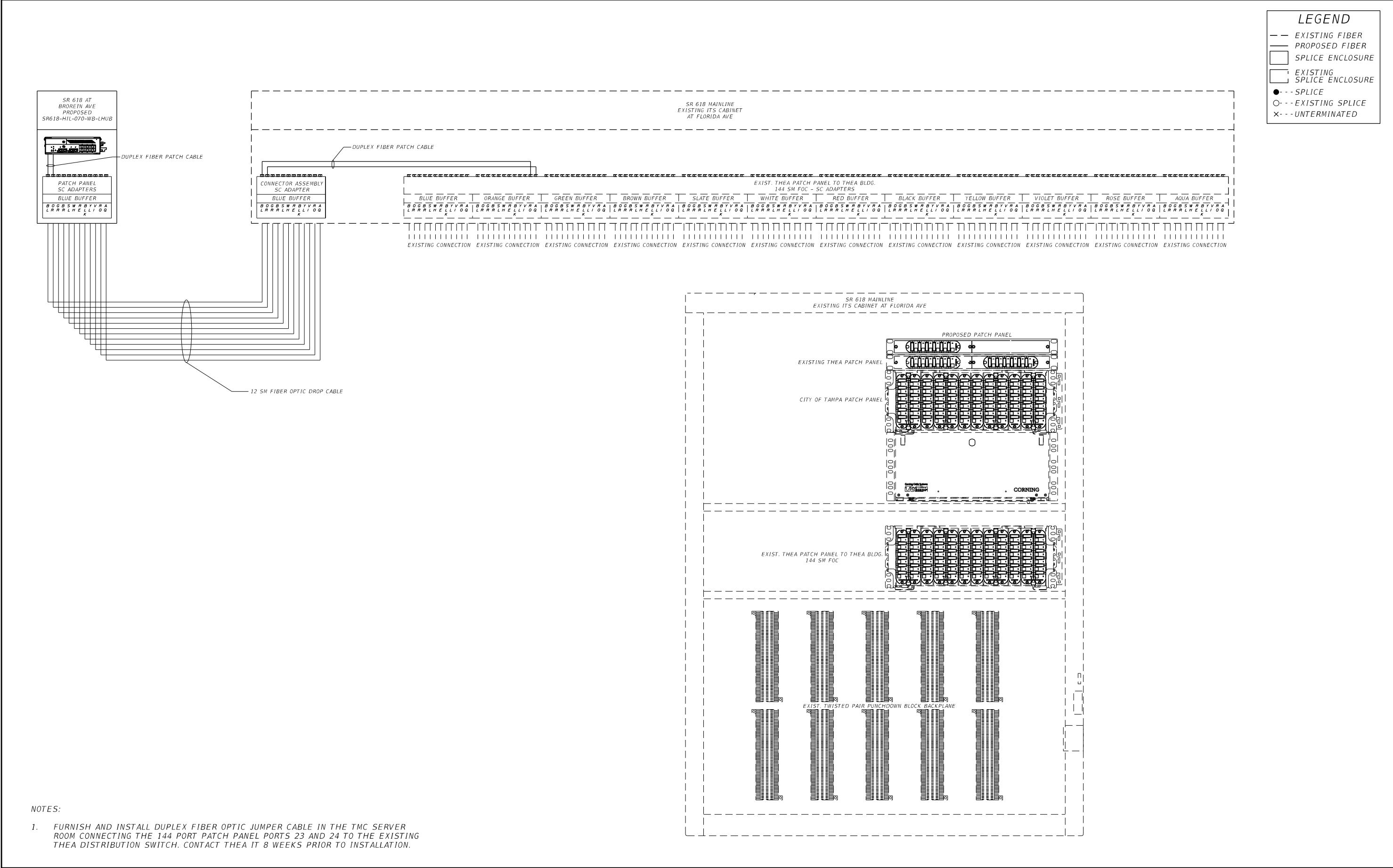


REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			<i>ELECTRICAL PULL BOX DETAIL</i>	SHEET NO. IT-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		



- NOTES:
1. REFER TO FLORIDA DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2026 SECTION 635 FOR PULL BOX REQUIREMENTS.
 2. FIBER OPTIC PULL BOXES SHALL NOT CONTAIN ELECTRICAL CONDUIT OR CONDUCTOR. ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE INSTALLED IN SEPARATE PULL BOXES.
 3. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
 4. ALL PULL BOXES SHALL HAVE MINIMUM 1'- 0" WIDE x 6" DEEP CONCRETE APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
 5. FIBER OPTIC SPLICE BOX SHALL NOT BE INSTALLED IN ROADWAYS OR DRIVEWAYS.
 6. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF SPLICE BOX TO FACILITATE CABLE PULLING.
 7. SPARE FIBER OPTIC CABLE IS TO BE WOUND NEATLY AND CAREFULLY, AS NOT TO EXCEED THE MINIMUM ALLOWABLE BENDING RADIUS OF THE FIBER OPTIC CABLE.
 8. 5/8" COPPER BONDED GROUND RODS SHALL BE USED.
 9. GROUNDING WIRES SHALL BE EXOTHERMIC ALLY WELDED TO GROUND RODS
 10. NOTE THAT THE DIMENSIONS SHOWN ARE THE TYPICAL DIMENSIONS AND MANY VARY SLIGHTLY DEPENDING ON THE MANUFACTURER.
 11. FIBER BOX COVER LABELING TO BE DETERMINED FOR NEXT SUBMITTAL.

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			FIBER PULL BOX DETAIL		SHEET NO. IT-19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 618	HILLSBOROUGH	HI-0314-C2026			



REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			SPLICING DIAGRAM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-20

KEYED NOTES:

- 1

PULL BOX
- 1X

EXISTING PULL BOX
- 2

PROPOSED SERVICE WIRE
- 2X

EXISTING SERVICE WIRE
- 3

PROPOSED GENERATOR
- 3X

EXISTING GENERATOR
- 4

PROPOSED ITS CABINET W/CIRCUIT BREAKER & SPD
- 4X

EXISTING ITS CABINET W/CIRCUIT BREAKER & SPD
- 5

PROPOSED NEMA ENCLOSURE
- 5X

EXISTING NEMA ENCLOSURE
- 6

PROPOSED TRANSFORMER
- 6X

EXISTING TRANSFORMER
- 7

PROPOSED AUTOMATIC TRANSFER SWITCH
- 7X

EXISTING AUTOMATIC TRANSFER SWITCH
- 8

PROPOSED FUSED DISCONNECT
- 8X

EXISTING FUSED DISCONNECT
- 9

PROPOSED HDPE CONDUIT
- 9X

EXISTING HDPE CONDUIT
- 10

PROPOSED RIGID GALVANIZED STEEL CONDUIT
- 10X

EXISTING RIGID GALVANIZED STEEL CONDUIT
- 11

PROPOSED FLEX CONDUIT
- 11X

EXISTING FLEX CONDUIT
- 12

PROPOSED COPPER CLAD GROUND ROD(S) 5/8 " DIA. x 20' MIN.
(PER FDOT INDEX 64I-020)
- 12X

EXISTING COPPER CLAD GROUND ROD(S) 5/8 " DIA.
- 13

PROPOSED METER CAN
- 13X

EXISTING METER CAN
- 14

PROPOSED DMS SIGN
- 14X

EXISTING DMS SIGN
- 15

PROPOSED HUB BREAKER PANEL
- 16

PROPOSED CCTV CABLING
- 16X

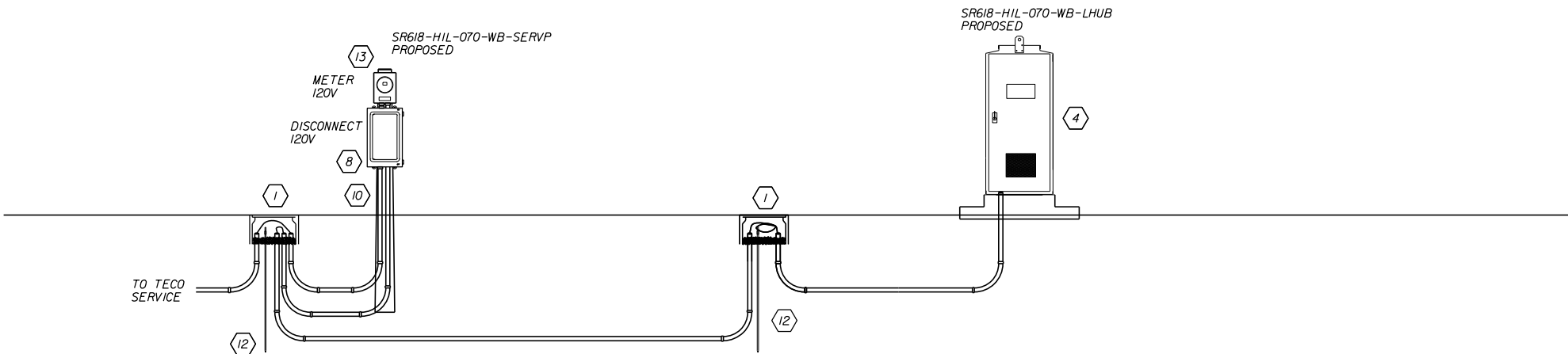
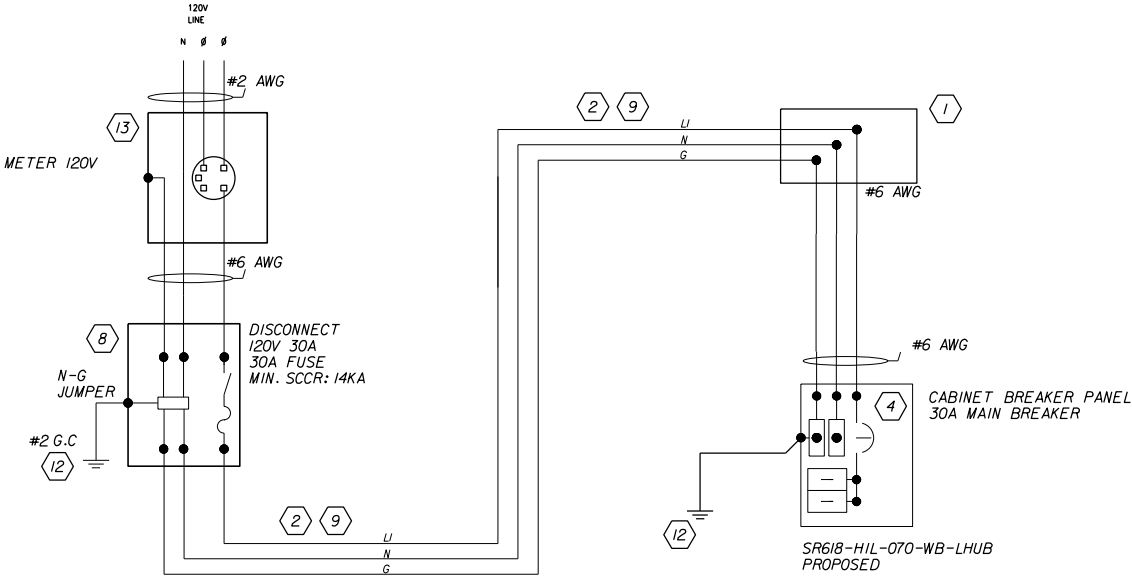
EXISTING CCTV CABLING
- 17

PROPOSED MVDS CABLING
- 17X

EXISTING MVDS CABLING
- 18

PROPOSED BRIDGE MOUNT (SCHEDULE 80) CONDUIT

- NOTES:
1. CONDUCTOR SIZE AND QUANTITY VARIES. SEE PLAN SHEETS.
2. PULL BOXES LOCATION AND QUANTITY VARIES. SEE PLAN SHEETS.
3. CONDUIT SIZE AND QUANTITY VARIES. SEE PLAN SHEETS.
4. GROUNDING CONDUCTOR: FOR ITS ELECTRICAL SYSTEM USE SOLID #6 AWG COPPER INSULATED (GREEN) CONDUCTOR FROM SYSTEM GROUND BUS TO GROUNDING ELECTRODE ASSEMBLY OR AS SPECIFIED BELOW.
FOR CONCRETE POLES AND DMS STRUCTURES USE #2 AWG TIN-PLATED BARE SOLID COPPER WIRE PER FDOT INDEX 64I-020.



CIRCUIT 1

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ELECTRICAL SERVICE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-21

GENERAL NOTES

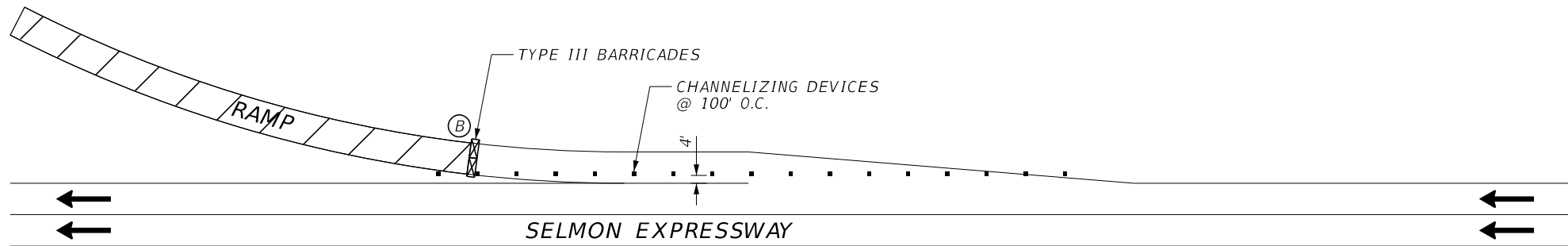
1. FOR GENERAL NOTES CONTROL PLAN REQUIREMENTS ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-600
2. FOR WORK BEYOND THE SHOULDER ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-601. FOR WORK ON THE SHOULDER UTILIZE STANDARD PLANS INDEX NO.102-602.
3. FOR MOBILE OPERATIONS ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-607.
4. FOR SINGLE LANE CLOSURES ON SR 618/ SELMON EXPRESSWAY UTILIZE STANDARD PLANS INDEX NO.102-613.
5. EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED FOR ALL PHASES OF WORK. THE REGULATORY SPEED LIMITS FOR THE PROJECT ARE AS FOLLOW:

SELMON EXPRESSWAY	55 MPH
BRORREIN ST	35 MPH
6. SR 618 / SELMON EXPRESSWAY LAND/ROAD CLOSURE RESTRICTIONS ARE AS FOLLOW:
 - SINGLE LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 9 PM – 5 AM M-F, 9 PM – 6 AM SAT. & SUN.
 - NO CLOSURES WILL BE PERMITTED DURING DOWNTOWN EVENTS.
7. SR 618/ SELMON EXPRESSWAY DETOUR RESTRICTIONS ARE AS FOLLOW:
 - DETOUR FOLLOWS CLOSURE TIMES AND CONFIRM DOWNTOWN EVENTS SCHEDULE.
 - CONTRACTOR MUST CORRDINATE WITH CITY OF TAMPA PERMITS DEPARTMENT FOR ANY DETOUR THAT INCLUDES CITY STREETS.
8. UTILIZE THE APPLICABLE DETOUR SHEET FOR RAMP CLOSURES.
9. IN ADDITION TO SPECIFICATIONS 8-6.4, SPECIAL EVENTS FOR THIS PROJECT INCLUDE: FLORIDA STATE FAIRGROUNDS, AMPITHEATER AND TAMPA STADIUM (RAYMOND JAMES STADIUM) WITH AN ANTICIPATED CROWD OF 35K OR HIGHER. FORUM/ICE PALACE (BENCHMARK INTERNATIONAL ARENA) WITH AN ANTICIPATED CROWD OF 15K OR HIGHER. TROPICANA FIELD WITH AN ANTICIPATED CROWD OF 15K OR HIGHER. DOWNTOWN TAMPA, BAYSHORE BLVD, YBOR CITY, WITH AN ANTICIPATED CROWD OF 20K OR HIGHER, AND MACDILL AIR FORCE BASE.
10. CONTACT GINNY BURCHAM A MINIMUM OF 14 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR. CONTACT INFORMATION AS FOLLOWS:

GINNY BURCHAM
GBURCHAM@HNTB.COM
(863) 412-4026

REVISIONS				ENGINEER OF RECORD	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC 160 N. WESTMONTE DR. SUITE 2000 ALTAMONTE SPRINGS, FL 32715	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-22
					SR 618	HILLSBOROUGH	HI-0314-C2026		

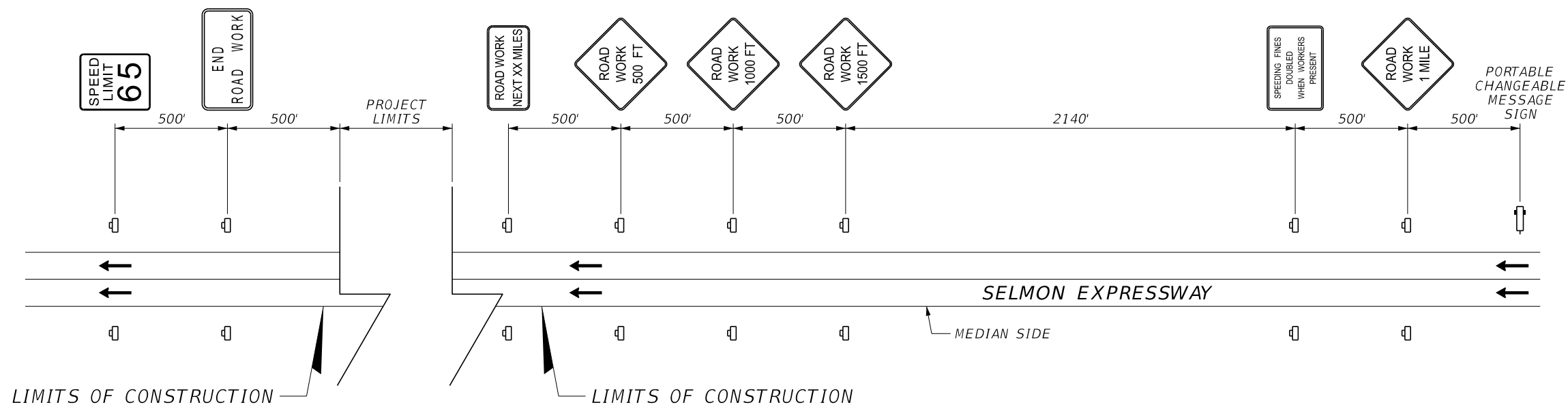
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



RAMP CLOSURE DETAIL
N.T.S

NOTES

- TO BE USED AT NIGHT DURING SINGLE RAMP CLOSURES ONLY.
- FOR RAMP CLOSURE ADVANCE SIGNING SEE APPROPRIATE DETOUR DETAILS SHEETS.
- NUMBER OF MAINLINE LANES VARIES.



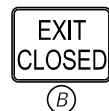
MAINLINE ADVANCE WARNING SIGNING DETAIL
N.T.S

NOTES

- ADVANCE WARNING SIGNING DETAIL TO BE USED IN CONJUNCTION WITH STANDARD PLANS LISTED IN THE ITS TRAFFIC CONTROL GENERAL NOTES.
- ADVANCE SIGNING DETAIL SHOWN APPLIES FOR BOTH EASTBOUND AND WESTBOUND DIRECTIONS.

LEGEND

- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADE
- PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE SIGN
- WORK ZONE
- CHANNELIZING DEVICE



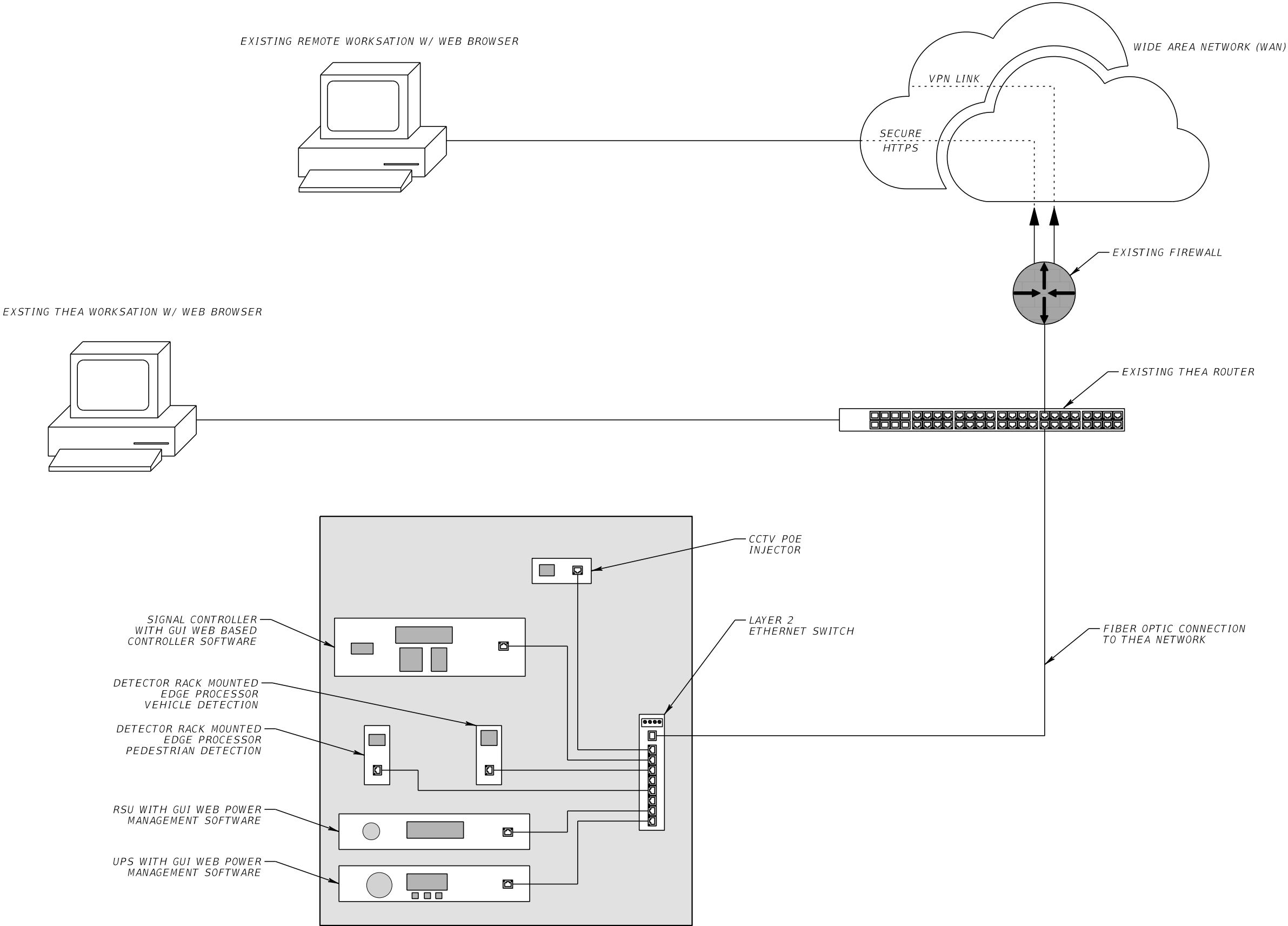
PCMS DISPLAY

	DISPLAY 1	DISPLAY 2
7 DAYS IN ADVANCE:	SELMON EXWY WORK	BEGINS STARTING DATE

PCMS DISPLAY

	DISPLAY 1	DISPLAY 2
DURING LANE CLOSURE:	LANE CLOSURES AHEAD	EXPECT DELAYS

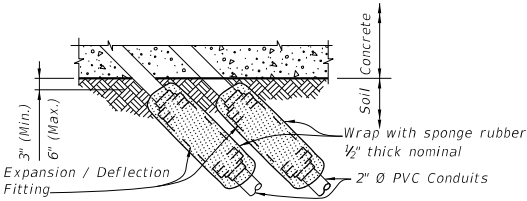
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			ITS TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-23



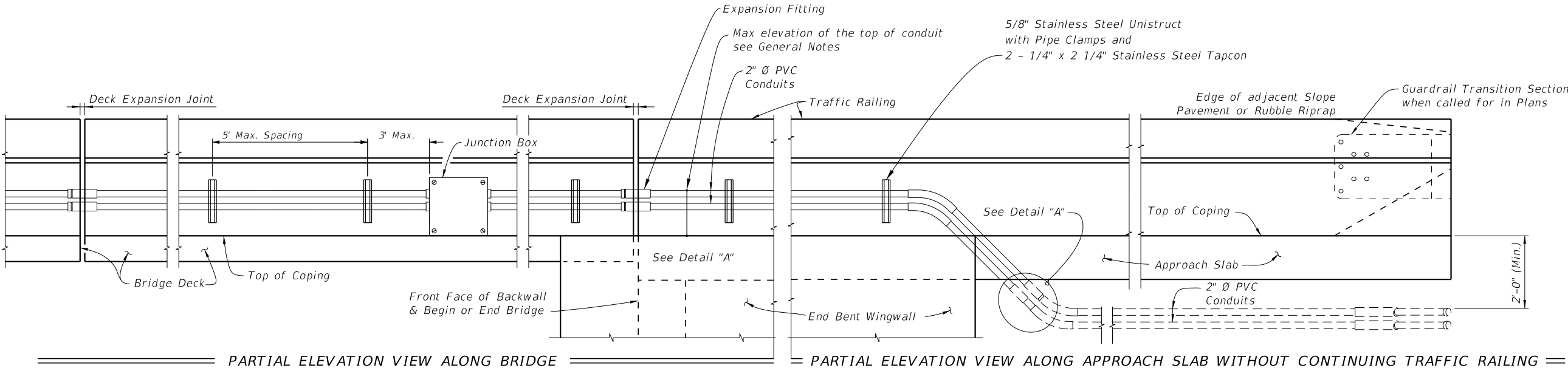
REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			NETWORK DIAGRAM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-24

CONDUIT GENERAL NOTES:

1. Furnish and install approved Conduits, Fittings and Embedded Junction Boxes (EBJ's) in accordance with Specification Sections 630 and 635, this Standard, the National Electric Code (NEC) and as directed by the Engineer.
2. Furnish and install Junction Boxes (JB) with weatherproof covers sized in accordance with NEC requirements and the maximum size limits shown. Install JB adjacent to the Begin of Bridge, and at other locations as shown in Plans. See Plans for additional locations and details.
3. Max elevation of the top of conduit is 1'-6" above top of coping for traffic barriers and 1'-2" for parapets.



DETAIL "A" EXPANSION / DEFLECTION
FITTING DETAIL (WALL MOUNT / SOIL)



BRIDGE AND APPROACH SLAB WITH EDGE RAILING

REVISIONS				ERIK SPILLMANN, P.E. P.E. LICENSE NUMBER 58771 BCC ENGINEERING, LLC. 160 NORTH WESTMONTE DRIVE, SUITE 2000 ALTAMONTE SPRINGS, FLORIDA 32714	TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY			CONDUIT DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 618	HILLSBOROUGH	HI-0314-C2026		IT-25

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

January 20, 2026
PREPARED BY: Erik Spillmann



SPECIFICATIONS PACKAGE

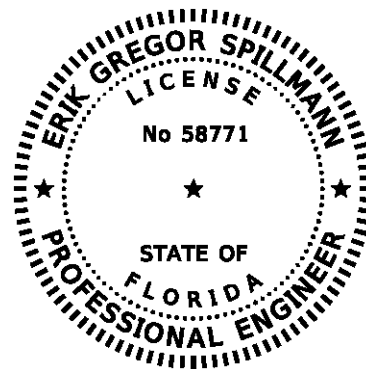
PROJECT ID: HI-0314-C2026

HILLSBOROUGH COUNTY

The FY 2026-27 Edition of the Florida Department of Transportation Standard Specifications is revised as follows:

I hereby certify that this specifications package has been properly prepared by me, or under my responsible charge, in accordance with procedures adopted by the Florida Department of Transportation.

Signature and Seal: Erik Spillmann, PE
Date: September 26, 2025
State of Florida,
Professional Engineer, License No.: 58771
Firm/Agency Name: BCC Engineering, LLC
Firm/Agency Address: 160 N. Westmonte Drive, Suite #2000
City, State, Zip Code: Altamonte Springs, FL 32714
Page(s): 1-135



DIVISION I.....	3
SECTION 1.....	3
DEFINITIONS AND TERMS.....	3
1-1 General.	3
1-3 Definitions.....	3
2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.....	12
SPECIAL PROVISIONS	13
SCOPE OF WORK – INTENT OF CONTRACT.....	14
CONTROL OF MATERIALS - SOURCE OF SUPPLY - DEPARTMENT’S APPROVED PRODUCT LIST (APL).	16
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY (TOLL FACILITIES).	16
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY – UTILITIES - UTILITY ADJUSTMENTS (NO UTILITY WORK SCHEDULE).....	17
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS.....	18
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - TRUCK HAUL ROUTES.	19
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PREFERENCE TO STATE RESIDENTS.	19
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – E- VERIFY.	20
LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – SCRUTINIZED COMPANIES.	20
PROSECUTION AND PROGRESS - PROSECUTION OF WORK - GENERAL (SUBMISSION OF WORKING SCHEDULE).	20
PROSECUTION AND PROGRESS - LIMITATIONS OF OPERATIONS – FENCING.	26
PROSECUTION AND PROGRESS - SUSPENSION OF CONTRACTOR’S OPERATIONS- SPECIAL EVENTS.....	26
MAINTENANCE OF TRAFFIC.....	26
APPENDICES	28
TECHNICAL SPECIAL PROVISIONS	29

DIVISION I
General Requirements and Covenants
SECTION 1
DEFINITIONS AND TERMS

Where the Standard Specifications and this Specifications Package references the “Department”, it simultaneously means Tampa Hillsborough Expressway Authority. All references to the “Department” in Section 337, Florida Statutes, in whole or in part, shall hereby be further applied to the Tampa Hillsborough Expressway Authority. Authorization reserved in the Standard Specifications for the Director, Office of Construction shall hereby be exclusively granted to the Tampa Hillsborough Expressway Authority Director of Operations and Engineering, and authorization reserved for the Secretary shall be exclusively granted to the Tampa Hillsborough Expressway Authority Executive Director.

ARTICLE 1-1 is deleted and the following substituted.

1-1 General.

These Specifications are written to the bidder, prior to award of the Contract, and to the Contractor. Within Divisions I and II of the specifications, sentences that direct the Contractor to perform work are written in the active voice-imperative mood. These directions to the Contractor are written as commands. In the imperative mood, the subject “the bidder” or “the Contractor” is understood.

All other requirements to be performed by others, with the exception of the Method of Measurement and the Basis of Payment Articles, have been written in the active voice, but not in the imperative mood. Sentences written in the active voice identify the party responsible for performing the action. For example, “The Engineer will determine the density of the compacted material.” Certain requirements of the Contractor may also be written in the active voice, rather than active voice-imperative mood.

Division III of the Specifications (Materials) is written in the passive voice writing style.

ARTICLE 1-3 is deleted and the following substituted.

1-3 Definitions.

The following terms, when used in the Contract Documents, have the meaning described.

Advertisement.

The public announcement, as required by law, inviting bids for work to be performed or materials to be furnished, usually issued as “Notice to Contractors,” or “Notice to Bidders.”

Article.

The numbered prime subdivision of a Section of these Specifications.

Authority.

The Tampa-Hillsborough Expressway Authority, a public agency of the state created and established by the Florida Legislature pursuant to Section 348.52(1), Florida Statutes.

Bidder.

An individual, firm, or corporation submitting a proposal for the proposed work.

Bridge.

A structure, including supports, erected over a depression or over an obstruction such as water, highway or railway, or for elevated roadway, for carrying traffic or other moving loads, and having a length, measured along the center of the roadway, of more than 20 feet between the inside faces of end supports. A multiple-span box culvert is considered a bridge, where the length between the extreme ends of the openings exceeds 20 feet.

Calendar day.

Every day shown on the calendar, ending and beginning at midnight.

Contract.

The term "Contract" means the entire and integrated agreement between the parties thereunder and supersedes all prior negotiations, representations, or agreements, either written or oral. The Contract Documents form the Contract between the Department and the Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the Work and the basis of payment.

Contract Bond.

The security furnished by the Contractor and the surety as a guaranty that the Contractor shall fulfill the terms of the Contract and pay all legal debts pertaining to the construction of the project.

Contract Claim (Claim).

A written demand submitted to the Department by the Contractor in compliance with 5-12.3 seeking additional monetary compensation, time, or other adjustments to the Contract, the entitlement or impact of which is disputed by the Department.

Contract Documents.

The term "Contract Documents" includes: Advertisement for Proposal, Proposal, Certification as to Publication and Notice of Advertisement for Proposal, Appointment of Agent by Nonresident Contractors, Noncollusion Affidavit, Warranty Concerning Solicitation of the Contract by Others, Resolution of Award of Contract, Executed Form of Contract, Performance Bond and Payment Bond, Specifications, Plans (including revisions thereto issued during construction), Estimated Quantities Report, Standard Plans, Addenda, or other information mailed or otherwise transmitted to the prospective bidders prior to the receipt of bids, work orders and supplemental agreements, all of which are to be treated as one instrument whether or not set forth at length in the form of contract.

Note: As used in Sections 2 and 3 only, Contract Documents do not include work orders, and supplementary agreements. As used in Section 2 only, Contract Documents also do not include Resolution of Award of Contract, Executed Form of Contract, and Performance and Payment Bond.

Contract Letting.

The date that the Department opened the bid proposals.

Contract Time.

The number of calendar days allowed for completion of the Contract work, including authorized time extensions.

Contractor.

The individual, firm, joint venture, or company contracting with the Department to perform the work.

Contractor's Engineer of Record.

A Professional Engineer registered in the State of Florida, other than the Engineer of Record or their subcontracted consultant, who undertakes the design and drawing of components of the permanent structure as part of a redesign or Cost Savings Initiative Proposal, or for repair designs and details of the permanent work. The Contractor's Engineer of Record may also serve as the Specialty Engineer.

The Contractor's Engineer of Record must be an employee of a pre-qualified firm. The firm shall be pre-qualified in accordance with the Rules of the Department of Transportation, Chapter 14-75. Any Corporation or Partnership offering engineering services must hold a Certificate of Authorization from the Florida Department of Business and Professional Regulation.

As an alternative to being an employee of a pre-qualified firm, the Contractor's Engineer of Record may be a Department-approved Specialty Engineer. For items of the permanent work declared by the State Construction Office to be "major" or "structural", the work performed by a Department-approved Specialty Engineer must be checked by another Department-approved Specialty Engineer. An individual Engineer may become a Department-approved Specialty Engineer if the individual meets the Professional Engineer experience requirements set forth within the individual work groups in Chapter 14-75, Rules of the Department of Transportation, Florida Administrative Code. Department-approved Specialty Engineers are listed on the State Construction Website. Department-approved Specialty Engineers will not be authorized to perform redesigns or Cost Savings Initiative Proposal designs of items fully detailed in the Plans.

Controlling Work Items.

The activity or work item on the critical path having the least amount of total float. The controlling item of work will also be referred to as a Critical Activity.

Culverts.

Any structure not classified as a bridge that provides an opening under the roadway.

Delay.

Any unanticipated event, action, force or factor which extends the Contractor's time of performance of any controlling work item under the Contract. The term "delay" is intended to cover all such events, actions, forces or factors, whether styled "delay," "disruption," "interference," "impedance," "hindrance," or otherwise, which are beyond the control of and not caused by the Contractor, or the Contractor's subcontractors, materialmen, suppliers or other agents. This term does not include "extra work."

Department.

State of Florida Department of Transportation.

Developmental Specification.

See definition for Specifications.

Engineer.

The Director of Operations and Engineering, acting directly or through duly authorized representatives; such representatives acting within the scope of the duties and authority assigned to them.

Note: In order to avoid cumbersome and confusing repetition of expressions in these Specifications, it is provided that whenever anything is, or is to be done, if, as, or, when, or where “acceptable, accepted, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, determined, directed, disapproved, established, given, indicated, insufficient, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory,” it shall be understood as if the expression were followed by the words “by the Engineer,” “to the Engineer,” or “of the Engineer.”

Engineer of Record.

The Professional Engineer or Engineering Firm registered in the State of Florida that develops the criteria and concept for the project, performs the analysis, and is responsible for the preparation of the Plans and Specifications. The Engineer of Record may be Departmental in-house staff or a consultant retained by the Department.

The Contractor shall not employ the Engineer of Record as the Contractor’s Engineer of Record or as a Specialty Engineer.

Equipment.

The machinery and equipment, together with the necessary supplies for upkeep and maintenance thereof, and all other tools and apparatus necessary for the construction and acceptable completion of the work.

Estimated Quantities Report.

The Estimated Quantities Report contains pay item and quantity information for the project. When the Plans do not adequately describe quantity related information, refer to the Estimated Quantities Report.

Extra Work.

Any “work” which is required by the Engineer to be performed and which is not otherwise covered or included in the project by the existing Contract Documents, whether it be in the nature of additional work, altered work, deleted work, work due to differing site conditions, or otherwise. This term does not include a “delay.”

Federal, State, and Local Rules and Regulations.

The term “Federal, State and Local Rules and Regulations” includes: any and all Federal, State, and Local laws, bylaws, ordinances, rules, regulations, orders, permits, or decrees including environmental laws, rules, regulations, and permits.

Highway, Street, or Road.

A general term denoting a public way for purposes of vehicular travel, including the entire area within the right-of-way.

Holidays.

Days designated by the State Legislature or Cabinet as holidays, which include, but are not limited to, New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day and the following Friday, and Christmas Day.

Inspector.

An authorized representative of the Engineer, assigned to make official inspections of the materials furnished and of the work performed by the Contractor.

Laboratory.

The official testing laboratory used by the Department.

Major Item of Work.

Any item of work having an original Contract value in excess of 5% of the original Contract amount.

Materials.

Any substances to be incorporated in the work under the Contract.

Median.

The portion of a divided highway or street separating the traveled ways for traffic moving in opposite directions.

Plans.

The plans sheets and digital models (2D and 3D) provided as contract documents, including reproductions thereof, showing the location, character, dimensions, and details of the work.

Proposal (Bid, Bid Proposal).

The offer of a bidder, on the prescribed form, to perform the work and to furnish the labor and materials at the prices quoted.

Proposal Form.

The official form or the electronically generated bid item sheets on which the Department requires formal bids to be prepared and submitted for the work.

Proposal Guaranty.

The security furnished by the bidder as guaranty that the bidder will enter into the Contract for the work if the Department accepts the proposal.

Purchase Order.

A written agreement between the Contractor and the Authority, and signed by the surety

when required, modifying the Contract within the limitations set forth in these Specifications. Purchase Order simultaneously means Supplemental Agreement and/or Work Order when in reference to the Specifications.

Request for Correction.

A document initiated by the Contractor proposing a method for correction of work that is not in compliance with the Contract Documents. The Request for Correction is submitted to the Engineer for review and disposition.

Request for Information.

A document initiated by the Contractor that is submitted to the Engineer for interpretation of a Contract Document provision, the meaning of which is not clear to the Contractor. The Request for Information is submitted to the Engineer for review and disposition.

Request for Modification.

A document initiated by the Contractor requesting to modify the Contract Documents, that is submitted to the Engineer for review and disposition.

Right-of-Way.

The land that the Department has title to, or right of use, for the road and its structures and appurtenances, and for material pits furnished by the Department.

Roadbed.

The portion of the roadway occupied by the subgrade and shoulders.

Roadway.

The portion of a highway within the limits of construction.

Secretary.

Secretary of Transportation, State of Florida Department of Transportation, acting directly or through an assistant or other representative authorized by the Secretary; the chief officer of the Department of Transportation.

Section.

A numbered prime division of these Specifications.

Special Event.

Any event, including but not limited to, a festival, fair, run or race, motorcade, parade, civic activity, cultural activity, charity or fund drive, sporting event, or similar activity designated in the Contract Documents.

Special Provisions.

See definition for Specifications.

Specialty Engineer.

A Professional Engineer registered in the State of Florida, other than the Engineer of Record

or their subcontracted consultant, who undertakes the design and drawing preparation of components, systems, or installation methods and equipment for specific temporary portions of the project work or for special items of the permanent works not fully detailed in the Plans and required to be furnished by the Contractor. The Specialty Engineer may also provide designs and details, repair designs and details, or perform Engineering Analyses for items of the permanent work declared by the Authority to be “minor” or “non-structural.”

For items of work not specifically covered by the Rules of the Department of Transportation, a Specialty Engineer is qualified if they have the following qualifications:

1. Registration as a Professional Engineer in the State of Florida.
2. The education and experience necessary to perform the submitted design as required by the Florida Department of Business and Professional Regulation.

Specifications.

The directions, provisions, and requirements contained herein, together with all stipulations contained in the Contract Documents, setting out or relating to the method and manner of performing the work, or to the quantities and qualities of materials and labor to be furnished under the Contract.

Standard Specifications: “Standard Specifications for Road and Bridge Construction” an electronic book, applicable to all Department Contracts containing adopted requirements, setting out or relating to the method or manner of performing work, or to the quantities and qualities of materials and labor.

Supplemental Specifications: Approved additions and revisions to the Standard Specifications, applicable to all Department Contracts.

Special Provisions: Specific clauses adopted by the Department that add to or revise the Standard Specifications or supplemental specifications, setting forth conditions varying from or additional to the Standard Specifications applicable to a specific project.

Technical Special Provisions: Specifications, of a technical nature, prepared, signed, and sealed by an Engineer registered in the State of Florida other than the State Specifications Engineer or their designee, that are made part of the Contract as an attachment to the Contract Documents.

Developmental Specification: A specification developed around a new process, procedure, or material.

Standard Plans.

“Standard Plans for Road and Bridge Construction”, an electronic book describing and detailing aspects of the Work. Where the term Design Standards appears in the Contract Documents, it will be synonymous with Standard Plans.

Standard Specifications.

See definition for Specifications.

State.

State of Florida.

Subarticle.

A headed and numbered subdivision of an Article of a Section of these Specifications.

Subgrade.

The portion of the roadbed immediately below the base course or pavement, including below the curb and gutter, valley gutter, shoulder and driveway pavement. The subgrade limits ordinarily include those portions of the roadbed shown in the Plans to be constructed to a design bearing value or to be otherwise specially treated. Where no limits are shown in the Plans, the subgrade section extends to a depth of 12 inches below the bottom of the base or pavement and outward to 6 inches beyond the base, pavement, or curb and gutter.

Substructure.

All of that part of a bridge structure below the bridge seats, including the parapets, backwalls, and wingwalls of abutments.

Superintendent.

The Contractor's authorized representative in responsible charge of the work.

Superstructure.

The entire bridge structure above the substructure, including anchorage and anchor bolts, but excluding the parapets, backwalls, and wingwalls of abutments.

Supplemental Agreement.

A written agreement between the Contractor and the Department, and signed by the surety, modifying the Contract within the limitations set forth in these Specifications.

Supplemental Specifications.

See definition for Specifications.

Surety.

The corporate body that is bound by the Contract Bond with and for the Contractor and responsible for the performance of the Contract and for payment of all legal debts pertaining thereto.

Technical Special Provisions.

See definition for Specifications.

THEA.

The Tampa-Hillsborough County Expressway Authority, a public agency of the state created and established by the Florida Legislature pursuant to Section 348.52(1), Florida Statutes.

Traveled Way.

The portion of the roadway for the movement of vehicles, exclusive of shoulders and bicycle lanes.

Unilateral Payment.

A payment of money made to the Contractor by the Department pursuant to Section 337.11(12), Florida Statutes (2009), for sums the Department determines to be due to the Contractor for work performed on the project, and whereby the Contractor by acceptance of such payment does not waive any rights the Contractor may otherwise have against the Department for payment of any

additional sums the Contractor claims are due for the work.

Work.

All labor, materials and incidentals required to execute and complete the requirements of the Contract including superintendence, use of equipment and tools, and all services and responsibilities prescribed or implied.

Work Order.

A written agreement between the Contractor and the Department modifying the Contract within the limitations set forth in these Specifications. Funds for this agreement are drawn against the Initial Contingency Pay Item or a Contingency Supplemental Agreement.

Working Day.

Any calendar day on which the Contractor works or is expected to work in accordance with the approved work progress schedule.

SECTION 2 PROPOSAL REQUIREMENTS AND CONDITIONS

ARTICLE 2-4 is deleted and the following substituted.

2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.

Examine the Contract Documents and the site of the proposed work carefully before submitting a Proposal for the work contemplated. Investigate the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished and as to the requirements of all Contract Documents. Direct all questions to the Authority by posting the question to procurement@tampa-xway.com.

The Authority does not guarantee the details pertaining to borings, and pavement cores as shown in the Contract Documents, to be more than a general indication of the materials likely to be found adjacent to holes bored at the site of the work, approximately at the locations indicated. The Bidder shall examine boring and pavement core data, where available, and make their own interpretation of the subsoil investigations and other preliminary data and shall base their bid solely on their own opinion of the conditions likely to be encountered.

The Bidder's submission of a Proposal is prima facie evidence that the Bidder has made an examination as described in this Article.

SPECIAL PROVISIONS

PROPOSAL REQUIREMENTS AND CONDITIONS (FY 2025-26)

ARTICLE 2-4 is deleted and the following substituted:

2-4 Examination of Plans, Specifications, Special Provisions, and Site of Work.

Examine the Contract Documents and the site of the proposed work carefully before submitting a Proposal for the work contemplated. Investigate the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished and as to the requirements of all Contract Documents. Direct all questions to the Authority by posting the question to procurement@tampa-xway.com.

The Authority does not guarantee the details pertaining to borings, and pavement cores as shown in the Contract Documents, to be more than a general indication of the materials likely to be found adjacent to holes bored at the site of the work, approximately at the locations indicated. The Bidder shall examine boring and pavement core data, where available, and make their own interpretation of the subsoil investigations and other preliminary data and shall base their bid solely on their own opinion of the conditions likely to be encountered.

The Bidder's submission of a Proposal is prima facie evidence that the Bidder has made an examination as described in this Article.

AWARD AND EXECUTION OF CONTRACT – PUBLIC RECORDS. (REV 10-17-16) (FA 10-24-16) (FY 2025-26)

ARTICLE 3-9 is expanded by the following:

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**General Counsel
1104 E. Twiggs Street, Suite 300, Tampa, FL 33602
813-272-6740**

SCOPE OF WORK – INTENT OF CONTRACT. (REV 10-25-21) (FA 1-26-22) (FY 2025-26)

ARTICLE 4-1 is expanded by the following:

The Improvements under this Contract consist of the deployment of a queue and pedestrian detection system on the Selmon Expressway Brorein Exit Ramp (Exit 7).

SUBARTICLE 4-3.1 is deleted and the following substituted:

4-3.1 General: The Engineer reserves the right to make, at any time prior to or during the progress of the work, alterations or changes, whether a significant change or not, and such alterations in the details of construction, whether a substantial change or not, including but not limited to alterations in the grade or alignment of the road or structure or both, as may be found necessary or desirable by the Engineer. Such alterations or changes shall not constitute a breach of Contract, shall not invalidate the Contract, nor release the Surety from any liability arising out of this Contract or the

Surety bond. The Contractor agrees to perform the work, as altered or changed, the same as if it had been a part of the original Contract.

The term “significant change” applies only when the Engineer determines that the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction. The allowance due to the Contractor will be in accordance with 4-3.2, below.

In the instance of an alleged “significant change”, the determination by the Engineer shall be conclusive and shall not be subject to challenge by the Contractor in any forum, except upon the Contractor establishing by clear and convincing proof that the determination by the Engineer was without any reasonable and good-faith basis.

SUBARTICLE 4-3.4 is deleted and the following substituted:

4-3.4 Conditions Requiring a Supplemental Agreement or Unilateral Payment: A

Supplemental Agreement or Unilateral Payment will be used to clarify the Plans and Specifications of the Contract; to provide for Unforeseen Work, grade changes, or alterations in Plans which could not reasonably have been contemplated or foreseen in the Original Plans and Specifications; to change the limits of construction to meet field conditions; to provide a safe and functional connection to an existing pavement; to settle documented Contract claims; to make the project functionally operational in accordance with the intent of the original Contract and subsequent amendments thereto.

SUBARTICLE 4-3.9.4 is deleted and the following substituted:

4-3.9.4 Processing Procedures: Submit Proposals to the Engineer or his duly authorized representative. The Authority will process Proposals expeditiously; however, the Authority is not liable for any delay in acting upon a Proposal submitted pursuant to this Subarticle. The Contractor may withdraw, in whole or in part, a Proposal not accepted by the Authority within the period specified in the Proposal. The Authority is not liable for any Proposal development cost in the case where the Authority rejects or the Contractor withdraws a Proposal.

The Engineer is the sole judge of the acceptability of a Proposal and of the estimated net savings in construction costs from the adoption of all or any part of such Proposal.

Prior to approval, the Engineer may modify a Proposal, with the concurrence of the Contractor, to make it acceptable. If any modification increases or decreases the net savings resulting from the Proposal, the Authority will determine the Contractor’s fair share upon the basis of the Proposal as modified. The Authority will compute the net savings by subtracting the revised total cost affected by the Proposal from the total cost as represented in the original Contract.

Prior to approval of the Proposal that initiates the supplemental agreement, submit acceptable Contract-quality plan sheets revised to show all details consistent with the Proposal design.

**CONTROL OF MATERIALS - SOURCE OF SUPPLY - DEPARTMENT'S APPROVED
PRODUCT LIST (APL).
(REV 10-10-23) (FA 10-18-23) (FY 2025-26)**

SUBARTICLE 6-5.2 is deleted and the following substituted:

6-5.2 Source of Supply: Comply with 2 CFR 184 and 2 CFR 200.322, which includes the Buy America Sourcing Preferences of the Build America, Buy America Act (BABA). Domestic compliance for all affected products will be listed on the APL. The list of affected articles, materials, and supplies that have been added to the APL and are not identified in each individual Section can be found at the following URL:

<https://www.fdot.gov/programmanagement/ProductEvaluation/Default.shtm>.

6-5.2.1 Steel and Iron: Use steel and iron manufactured in the United States, in accordance with the Buy America provisions of 23 CFR 635.410, as amended. Ensure that all manufacturing processes for this material occur in the United States. As used in this specification, a manufacturing process is any process that modifies the chemical content, physical shape or size, or final finish of a product, beginning with the initial melting and continuing through the final shaping and coating. If a steel or iron product is taken outside the United States for any manufacturing process, it becomes foreign source material. When using steel or iron materials as a component of any manufactured product (e.g., concrete pipe, prestressed beams, corrugated steel pipe, etc.), these same provisions apply. Foreign steel and iron may be used when the total actual cost of such foreign materials does not exceed 0.1% of the total Contract amount or \$2,500, whichever is greater. These requirements are applicable to all steel and iron materials incorporated into the finished work but are not applicable to steel and iron items that the Contractor uses but does not incorporate into the finished work. Submit a certification from the manufacturer of steel or iron, or any product containing steel or iron, stating that all steel or iron furnished or incorporated into the furnished product was produced and manufactured in the United States or a statement that the product was produced within the United States except for minimal quantities of foreign steel and iron valued at \$ (actual cost). Submit each such certification to the Engineer prior to incorporating the material or product into the project. Prior to the use of foreign steel or iron materials on a project, submit invoices to document the actual cost of such material, and obtain the Engineer's written approval prior to incorporating the material into the project.

6-5.2.2 Manufactured Products: Use Manufactured Products that are consumed in, incorporated into, or affixed to an infrastructure project that are manufactured in the United States, in accordance with BABA requirements and applicable waivers.

6-5.2.3 Construction Materials: Use non-ferrous metals, plastic and polymer-based products, glass, lumber, and drywall articles, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project that are manufactured in the United States, in accordance with BABA requirements.

6-5.2.4 Exemptions to Build America, Buy America: Temporary devices, equipment, and other items removed at or before the completion of the project are exempt from BABA funding eligibility requirements. Aggregates, cementitious materials, and aggregate binding agents or additives are exempted from BABA funding eligibility requirements.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION
OF EXISTING PROPERTY (TOLL FACILITIES).**

(REV 7-22-14) (FA 10-15-14) (FY 2025-26)

SUBARTICLE 7-11.1 is expanded by the following:

Due to the unique technological nature and complexity of the Department's toll collection system at the Department's owned or operated toll facilities, the Department will utilize one of its toll collection system vendors to perform removals, repairs, replacements and installations of toll collection components damaged by the Contractor. The currently contracted rates of the Department's contract with its tolling vendors will apply towards any removals, repairs, replacements and installations performed by one of the Department's toll collection system vendors. The Department will deduct the cost of the removals, repairs, replacements and installations from any monies due or which may become due to the Contractor under the Contract. Toll collection system components include, but are not limited to the following: automatic vehicle identification system antennae and readers; toll revenue collection and violation enforcement system cameras and illuminators; vehicle detection and classification system devices; vehicle classification and detection roadway loops; roadway treadles; light curtains; patron fare displays; closed circuit television cameras; electronics inside toll buildings or toll booths; automatic coin machines ; automatic ticket issuing machines ; toll lane traffic signals and illuminators; and all directly associated supporting infrastructure including, but not limited to, cabling, connectors, and specialty bracketing, mounts, poles.

SUBARTICLE 7-11.2 is expanded by the following:

When the actions of the Contractor result in the loss of toll revenue, the Contractor shall be responsible for the revenue loss based on the total number of hours during the days in which toll revenues remain uncollected. The amount of uncollected toll revenue will be calculated by adding the hourly toll revenue for a representative weekday or weekend day over all the days in which tolls are not collected. Days showing unusually high or low traffic patterns will be replaced with revenue corresponding to normal traffic days within the last month. Hourly revenues for a representative weekday are calculated by averaging the revenues in the same hour during the previous 10 consecutive weekdays prior to the damage. Hourly revenues for a representative weekend day are calculated by averaging the revenues in the same hour during the previous 4 consecutive weekend days prior to the damage. For partial days of interrupted service, uncollected toll revenues will be limited to those hours in the representative weekday or weekend day that correspond to the specific hours when the Department's toll infrastructure is not fully operational due to damages sustained. For the purpose of this estimate, partial hours will be rounded to the nearest full hour.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PRESERVATION OF EXISTING PROPERTY – UTILITIES - UTILITY ADJUSTMENTS (NO UTILITY WORK SCHEDULE).

(REV 2-10-94) (FY 2025-26)

SUBARTICLE 7-11.5.3 is expanded by the following:

For this project, no utility work involving facilities owned by other agencies is anticipated.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS.
(REV 4-25-02) (FA 7-17-02) (FY 2025-26)

SECTION 7 is expanded by the following:

7-27 Equal Employment Opportunity Requirements.

7-27.1 Equal Employment Opportunity Policy: Accept as the operating policy, the following statement which is designed to further the provision of equal employment opportunity to all persons without regard to their age, race, color, religion, national origin, sex, or disability and to promote the full realization of equal employment opportunity through a positive continuing program:

“It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their age, race, religion, color, national origin, sex, or disability. Such action must include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training.”

7-27.2 Equal Employment Opportunity Officer: Designate and make known to the Department’s contracting officers an equal employment opportunity officer (hereinafter referred to as the EEO Officer) who must be capable of effectively administering and promoting an active Contractor program employment opportunity and who must be assigned adequate authority and responsibility to do so.

7-27.3 Dissemination of Policy: All members of the Contractor’s staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the Contractor’s equal employment opportunity policy and contractual responsibilities.

7-27.4 Recruitment: When advertising for employees, include in all advertisements for employees the notation “An Equal Opportunity Employer”.

7-27.5 Personnel Actions: Establish and administer wages, working conditions, employee benefits, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination without regard to age, race, color, religion, national origin, sex, or disability.

Follow the following procedures:

1. Conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
2. Periodically evaluate the spread of wages paid with each classification to determine any evidence of discriminatory wage practices.
3. Periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action must include all affected persons.
4. Investigate all complaints of alleged discrimination made in connection with obligations under this Contract, attempt to resolve such complaints, and take appropriate corrective action. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action must include such other persons. Upon completion of each investigation inform every complainant of all of the avenues of appeal.

7-27.6 Subcontracting: Use the best efforts to ensure subcontractor compliance with their

equal employment opportunity policy.

7-27.7 Records and Reports: Keep such records as are necessary to determine compliance with the equal employment opportunity obligations. The records kept will be designed to indicate the following:

1. The number of minority and nonminority group members employed in each work classification on the project.
2. The progress and efforts being made in cooperation with unions to increase minority group employment opportunities (applicable only to Contractors who rely in whole or in part on unions as a source of their work force).
3. The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority group employees as deemed appropriate to comply with their Equal Employment Opportunity Policy.
4. The progress and efforts being made in securing the services of minority group subcontractors or subcontractors with meaningful minority group representation among their employees as deemed appropriate to comply with their Equal Employment Opportunity Policy.

All such records must be retained for a period of three years following completion of the contract work and be available at reasonable times and places for inspection by authorized representatives to the Department and the Federal Highway Administration.

Upon request, submit to the Department a report of the number of minority and nonminority group employees currently engaged in each work classification required by the Contract work.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC - TRUCK HAUL ROUTES.

(REV 04-06-00) (FY 2025-26)

SECTION 7 is expanded by the following new Article:

7-27 Truck Haul Routes.

City of Tampa, Citrus, Hernando, Hillsborough, Pasco, and Pinellas Counties located within District Seven have established Truck Haul Route Ordinances restricting the use of certain roadways for hauling materials, equipment and supplies. Conform to these ordinances.

All state roadways are exempt from these ordinances and may be used for Truck Haul Routes.

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – PREFERENCE TO STATE RESIDENTS.

(REV 1-13-12) (FY 2025-26)

SECTION 7 is expanded by the following new Article:

7-28 Preference to State Residents.

Florida Statutes 255.099 (Chapter 2010-147, Section 50, Laws of Florida), providing for preference to residents of the State of Florida, is hereby made a part of this Contract:

Each contract that is funded by state funds must contain a provision requiring the Contractor to give preference to the employment of state residents in the performance of the work on the project if state residents have substantially equal qualifications to those of nonresidents.

As used in this Section, the term “substantially equal qualifications” means the qualification of two or more persons among whom the employer cannot make a reasonable determination that the qualifications held by one person are better suited for the position than the qualifications held by the other person or persons.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – E-VERIFY.
(REV 6-13-11) (FA 6-16-11) (FY 2025-26)**

SECTION 7 is expanded by the following new Article:

7-29 E-Verify.

The Contractor shall utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – SCRUTINIZED COMPANIES.
(REV 3-22-18) (FY 2025-26)**

SECTION 7 is expanded by the following new Article:

7-30 Scrutinized Companies.

For Contracts of any amount, if the Department determines the Contractor submitted a false certification under Section 287.135(5) of the Florida Statutes, or if the Contractor has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, the Department shall either terminate the Contract after it has given the Contractor notice and an opportunity to demonstrate the Department’s determination of false certification was in error pursuant to Section 287.135(5)(a) of the Florida Statutes, or maintain the Contract if the conditions of Section 287.135(4) of the Florida Statutes are met.

For Contracts \$1,000,000 and greater, if the Department determines the Contractor submitted a false certification under Section 287.135(5) of the Florida Statutes, or if the Contractor has been placed on the Scrutinized Companies with Activities in the Sudan List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, the Department shall either terminate the Contract after it has given the Contractor notice and an opportunity to demonstrate the Department’s determination of false certification was in error pursuant to Section 287.135(5)(a) of the Florida Statutes, or maintain the Contract if the conditions of Section 287.135(4) of the Florida Statutes are met.

**PROSECUTION AND PROGRESS - PROSECUTION OF WORK - GENERAL
(SUBMISSION OF WORKING SCHEDULE).
(REV 5-20-21) (FA 7-7-21) (FY 2025-26)**

SUBARTICLE 8-3.2 is deleted and the following substituted:

8-3.2 General: For this Contract, submit the following schedules and reports.

8-3.2.1 Contract Schedule: Submit to the Engineer for acceptance a Critical Path

Method (CPM) Contract Schedule for the project within 30 calendar days after execution of the Contract or at the preconstruction conference, whichever is earlier.

The Contract Schedule shall include detailed schedule diagrams and schedule data as described below that shows how the Contractor intends to complete the work within the Contract Time. Any weather days that affect the Critical Path will be added as they occur. When the project includes a Maintenance of Traffic plan, the work breakdown structure (WBS) or project activity codes for the Contract Schedule shall be consistent with the Contract Maintenance of Traffic plan, showing activities for each discrete Contract activity to be accomplished within each Maintenance of Traffic phase. When the project does not include a Maintenance of Traffic plan, the WBS or project activity codes shall be consistent with the phasing shown in the Contract Documents. Include activities for deliverables and reviews in the schedule. Sufficient liaison shall be conducted and information provided to indicate coordination with utility owners having facilities within the project limits. The schedule must incorporate the utility work schedules included in the Contract Documents, unless changed by mutual agreement of the utility company, the Contractor and the Department. Show the interdependence (logic) of the utility work schedule activities with other schedule activities in the Contract Schedule for acceptance by the Department, unless otherwise approved by the Engineer.

Failure to include any element of work or any activity relating to utility work will not relieve the Contractor from completing all work within the Contract Time at no additional time or cost to the Department, notwithstanding the acceptance of the schedule by the Department.

The Contract Schedule may indicate a completion date in advance of the expiration of Contract Time. However, the Department will not be liable in any way for the Contractor's failure to complete the project prior to expiration of Contract Time. Any additional costs, including extended overhead incurred between the Contractor's scheduled completion date and the expiration of Contract Time, shall be the responsibility of the Contractor. The Contractor shall not be entitled to claim or recover any such costs from the Department.

Acceptance by the Engineer of the Contract Schedule or any updates shall not be construed as approval of any particular construction methods or sequence of construction or to relieve the Contractor of its responsibility to provide sufficient materials, equipment and labor to guarantee the completion of the contract in accordance with the Contract Documents.

8-3.2.2 Schedule Submissions: Develop the schedule in Precedence Diagram Method (PDM) format.

Each schedule submission and monthly update shall include a minimum of the following six items:

1. Submit the files electronically in the current Department version of Oracle Primavera P6 format by exporting the full schedule to an .xer file format.

2. A Gantt chart grouped by WBS, then phase, sorted by early start then total float. The chart shall include the following columns:

- a. Activity ID
- b. Activity Name
- c. Calendar
- d. Activity Type
- e. Original Duration
- f. Remaining Duration
- g. Duration % Complete
- h. Early Start
- i. Early Finish
- j. Late Start
- k. Late Finish

1. Total Float

The chart shall also include activity bars using the Oracle Primavera P6 default color coding for the bars. The chart shall be submitted as a Portable Document Format (.pdf) file and formatted on 11 inch by 17 inch landscape oriented sheets, with the activity table and bars.

3. A Gantt chart with the same columns and bars listed in 8-3.2.2(2), but filtered for the longest path, not grouped but sorted by early start, then early finish. The chart shall be submitted as a.pdf file and formatted on 11 inch by 17 inch landscape oriented sheets, with the activity table and bars.

4. The Schedule log for the calculated schedule, submitted as a.pdf file and formatted on 8-1/2 inch by 11 inch portrait oriented sheets.

5. A schedule narrative report with the following information:

a. Current project schedule status and identify potential delays
b. A description of the progress made since the previous schedule submission
c. Objectives for the upcoming 30 calendar days
d. Indicate if the project is on schedule, ahead of schedule or behind schedule.

1. If ahead or behind schedule, indicate the specific number of calendar days.

2. If behind schedule, include a detailed recovery plan that will put the schedule back on track or identify the alleged delay event for which a preliminary request for an extension of Contract Time has been submitted, which if granted by the Department, will account for the amount of time the project is behind schedule, or provide a fully supported request for a Contract Time extension, which if granted by the Department, will account for the amount of time the project is behind schedule.

e. Description of the current critical path and indicate if the critical path has changed in the last 30 calendar days.

f. Discussion of current successes or problems that have affected either the critical path's length or have caused a shift in the critical path within the last 30 calendar days.

g. Identify specific activities, progress, or events that may reasonably be anticipated to impact the critical path within the next 30 calendar days, either to affect its length or to shift it to an alternate path.

h. List all changes to schedule logic, calendars, calendar assignments, activity types, activity names, changes to constraints, added activities or duration changes (original and remaining) that have been made to the schedule since the previous submission.

For each change, describe the basis for the change and specifically identify the affected activities by activity ID.

i. Identify any and all activities, either in progress or scheduled to occur within the following 30 days that require Department participation, review, approval, etc.

6. A detailed logic report that provides a list of activities in the schedule sorted by activity ID, no grouping and submitted as a .pdf file and formatted on 8-1/2 inch by 11 inch portrait oriented sheets. For each activity listed, the report shall include the activity's predecessors and successors, including the relationship type and lag.

For each submission of the Contract Schedule and monthly update, the Engineer will have 21 days to accept the Contract Schedule or monthly update or to schedule a

meeting, if needed, within that time, with the Contractor to resolve any problems that prevent acceptance of the schedule. Attend the meeting scheduled by the Engineer, and submit a corrected schedule to the Engineer within seven days after the meeting. The process will be continued until a Contract Schedule or monthly update is accepted or accepted as noted by the Engineer.

Upon the Engineer's acceptance of the Contract Schedule, submit monthly updates of the Contract Schedule, including all months prior to the start of construction, reflecting progress through the monthly estimate cut-off date within 8 calendar days after the monthly estimate cut-off date.

The Engineer may withhold monthly payments due for failure of the Contractor to submit an acceptable schedule or monthly updates within the time frame described herein.

8-3.2.3 Schedule Content: All schedule submissions shall comply with the following content guidelines as appropriate to the specific submission:

The schedules shall include the sequence, order, and interdependence of major construction milestones and activities. Include procurement of project specific materials and equipment that require submittals and are not readily available, long-lead time items, and key milestones identified by the Contract.

Show the sequence, order, and interdependence of activities in which the work is to be accomplished. Include allowance for Department review, acceptance and return of submittals, samples and shop drawings where Department acceptance is specifically required (in accordance with 5-1.4.6 of the standard specifications). In addition to construction activities, schedule activities shall include the submittals, procurement, and Department or Utility activities:

1. Submittal activities shall include submittal preparation, Department review, and acceptance of submittals. If the Department's action on any submittal is "Not Accepted" or "Revise and Resubmit", a new series of submittal preparation activities shall be inserted into the schedule. Predecessor for the new submittal preparation activity will be the original acceptance activity and the successor of the new acceptance activity will be the fabrication/delivery activity for the equipment or material.

2. Procurement activities shall include all project specific materials and equipment that require submittals and are not readily available, fabrication of special material and equipment, and their installation and testing.

3. Show activities of the Department or Utilities that affect progress and contract-required dates for completion of all or parts of the work.

Detailed schedule data: shall conform to the following:

1. All activities shall be assigned to a specific project calendar within the software. Specific project calendars will be defined within the software to include planned work days and planned non-work days. These project calendars will include both Contractor and Contract defined holidays and suspension days as non-workdays. The use of global calendars is not permitted. Project calendars shall not inherit holidays from global calendars. Work shifts identified for each project calendar shall be consistent with the Contractor's planned workdays. Actual start and finish date times shall be consistent with the work shift hours on the calendar assigned to the activities.

2. A cost account drawdown schedule depicting amount earned by month through project completion. The sum total of the cost accounts shall be equal to the current contract value.

3. At a minimum, each schedule activity shall contain codes by:

- a. Responsibility: for items of work that are not in control of the Contractor including, but not be limited to, Department, Utility, etc.
- b. Phasing: identify the appropriate Maintenance of Traffic phase or subphase.

The required coding can be accomplished by WBS codes or project activity codes.

4. Key milestones as identified by Contract. At a minimum, the start and finish of each Maintenance of Traffic phase or subphase shall be represented by a milestone activity. Milestone activities shall be start or finish milestone type activities, as appropriate.

5. All non-procurement activities must be less than or equal to 20 workdays unless approved by the Engineer. Sufficient explanation for activities over 20 days shall be provided for the Engineers review and approval.

6. All activities must include adequate detailed activity descriptions to describe the work that is included. In each activity, provide sufficient detail so that the amount of work the activity involves is clearly communicated.

7. Only two open-ended activities (the first and the last) are allowed.

8. Constraints shall only be used for “project start,” and “project completion.” Constraints shall not override logic. The project start constraint shall be the Contract execution date. The project completion date shall be the Contract completion date plus any Contract defined holidays and suspension days included on the longest path. The use of any other imposed constraints is not allowed without specific approval by the Engineer. Any other desired constraints must be submitted to the Engineer with the rationale for the use of each desired additional constraint. If allowed by the Engineer, the rationale should be recorded in the activity's notebook field. Mandatory constraints (start and finish) violate network logic and shall not be used.

9. Out of sequence progress shall be corrected on each monthly update by modifying the schedule logic so that the logic accurately depicts the actual sequence of the work. The Retained Logic setting shall be used when calculating the schedule.

10. All changes to activities shall be recorded with a note in the activity notebook field. The notebook entry shall include, as a minimum, the date and reason for the change, as well as reference to a document wherein the Engineer acknowledges and accepts the change.

11. The use of resource leveling, either manual or automatic, is prohibited.

12. Activities shall not be deleted from the schedule. If an activity is not required, then upon approval from the Engineer, the Contractor shall provide actual start and finish dates equal to the date of the Engineer's approval, shall add the word “Removed” to the activity name and shall make a notebook entry explaining the reason for removing the activity from the planned work.

13. Activities shall be added to the schedule upon notifying the Engineer when it is determined that a Contract work element was omitted from the previous accepted Contract schedule or update or if work is added to the Contract, or to reflect a time extension in accordance with 8-7.3.2.

14. Activity names shall only be changed to reflect changes to the scope of the work element represented by the activity, not as a way to remove and replace activities. Changes to activity names shall be approved by the Engineer.

15. Unless otherwise approved by the Engineer, activity types shall be defined as milestones, level-of-effort, WBS summary or task dependent. Resource dependent type shall not be used. All activities shall have percent complete type set to duration and duration type set to either fixed duration and unit/time or fixed duration and units.

8-3.2.4 Weekly Meetings: Attend weekly meetings scheduled by the Engineer to discuss Contract progress, near term scheduled activities, including utility relocations, problems and their proposed solutions. Submit a Three-Week Planning Schedule at each weekly meeting, showing the Contract schedule activities completed in the previous week and planned for the next two weeks.

Develop the Three-Week Planning Schedule in Gantt chart format from the updated Contract schedule, identifying completed, current and planned activities. Designate all activities that are controlling work items as determined by the currently accepted Contract Schedule

8-3.2.5 Float: Float is defined as the amount of time the finish of an activity can be delayed. Two kinds of float are possible: Total float is how much an activity can be delayed without affecting the finish date of the project or an intermediate deadline (constraint); it is the difference between the late finish date and the early finish date. Free float is how much an activity can be delayed without affecting its earliest successor.

Float is not for the exclusive use or benefit of either the Department or the Contractor.

Use of float suppression techniques, such as preferential sequencing (arranging critical path through activities more susceptible to Department caused delay), special lead/lag logic restraints, zero total or free float constraints, extended activity times, positive relationship lags, or imposing constraint dates other than as required by the contract, shall be cause for rejection of the project schedule or its updates. The use of finish-to-start lags greater than zero days, start-to-start lags that exceed the duration of the predecessors, or finish-to-finish lags that exceed the duration of the successor, shall not be used without the expressed approval of the Engineer. The use of Resource Leveling, or similar software features, for the purpose of artificially adjusting activity durations to consume float and influence the critical path is expressly prohibited.

Negative float shall not be a basis for requesting time extensions. Any extension of time shall be addressed in accordance with 8-3.2. 7. Scheduled completion dates that extend beyond the Contract completion date, evidenced by negative float, may be used in computations for assessment of payment withholdings. The use of this computation is not to be construed as a means of acceleration.

8-3.2.6 Critical Path: The critical path shall be defined as the longest path and is represented by the longest logical path through the remaining activities, resulting in the earliest calculated completion date. There may be more than one longest path in the schedule. However, the use of float suppression techniques as described in 8-3.2.5 shall not be used to force the schedule to have more than one longest path.

8-3.2.7 Time Extensions: The Contractor is responsible for submitting a request for Contract Time extension in accordance with 8-7.3.2. An extension of time shall be considered only to the extent that an event impacts the completion date of the schedule such that the impacted completion date is later than the Contract completion date as adjusted previously. The Pre-event Schedule is defined as the latest accepted update of the Contract schedule, statused (actual start dates added, actual finish dates added, remaining durations adjusted) to the end of the day before the start of the event. The Post-event Schedule is defined as the accepted update of the Contract Schedule just after the end of the event and destatused (actual start dates removed, actual finish dates removed, remaining durations adjusted) to the end of the last day of the event.

As a minimum, time extension requests shall contain:

1. A descriptive summary of the event
2. A written analysis supported by a:
 - a. Pre-event Schedule
 - b. Post-event Schedule
3. Schedule submittal items 1, 2, 3 and 4 required in 8-3.2.2 shall be provided for the Pre-event and Post-event schedules

Time extensions shall not be considered for proposals that do not include full documentation described above. Once a time extension has been approved by the Engineer, the Contract completion date shall be changed accordingly.

8-3.2.8 Performance of Work: By submitting a schedule, the Contractor is making a

positive assertion that the project has been and will be constructed in the order indicated in the schedule. Prosecute the work in accordance with the latest accepted Contract Schedule or update. Any costs associated with meeting milestones and completing the project within the authorized Contract Time will be borne solely by the Contractor.

8-3.2.9 As-Built Schedule: Submit an as-built schedule along with the Qualified Acceptance Letter if the Contractor elects the use of the Qualified Acceptance Letter as described in 9-8.1. The as-built schedule shall describe the actual order and start and stop times for all activities by the Contractor.

**PROSECUTION AND PROGRESS - LIMITATIONS OF OPERATIONS – FENCING.
(REV 6-17-04) (FA 7-13-04) (FY 2025-26)**

SUBARTICLE 8-4.8 is deleted and the following substituted:

8-4.8 Fencing: Erect permanent fence as a first order of business on all projects that include fencing where the Engineer determines that the fencing is necessary to maintain the security of livestock and other animals on adjacent property, or for protection of pedestrians who are likely to gain access to the project from adjacent property. Secure the right of way on Limited Access Facilities at all times by a fence, either temporary or permanent, that meets the height of the existing fence or the height required in the Contract.

**PROSECUTION AND PROGRESS - SUSPENSION OF CONTRACTOR'S OPERATIONS-SPECIAL EVENTS.
(REV 10-31-22) (FA 1-3-22) (FY 2025-26)**

SUBARTICLE 8-6.4 is expanded by the following:

For this Contract, Special Event days for this project include:

Tampa Bay Lightning Home Games
Macdill Air Fest
Gasparilla Parade
Gasparilla Children's Parade
Gasparilla Distance Classic
Riverfest

In addition to the limitations on lane closures, detours, and non-working days, the Authority may direct up to ten (10) days per calendar year when no lane closures and detours will be permitted. The contractor will be provided no less than 24-hour notice of these events and shall be at no additional cost or time to the Authority.

**MAINTENANCE OF TRAFFIC.
(REV 7-24-23) (FY 2025-26)**

SUBARTICLE 102-3.3 is deleted and the following substituted:

102-3.3 Lane Closures: Approval for all lane closures, mobile operations, and traffic pacing operations is required. Submit routine requests to the Engineer 14 calendar days in advance of planned lane closures, mobile operations, and traffic pacing operations. Requests for planned lane closures are to be submitted through the Authority's One.network Platform and the

Department's Lane Closure Notification System (LCNS). For unforeseen events that require cancelling or rescheduling lane closures, mobile operations, and traffic pacing operations, revise the lane closure request as soon as possible.

Record information for lane closures, including but not limited to begin and end lane closure times and locations, into the Authority's One.network Platform and the Department's LCNS. Lane closures are to be activated in the One.network and LCNS within five minutes of placing the first channelizing device and deactivated within 5 minutes removing the last channelizing device associated with the closure.

At the preconstruction conference, submit a request for access to the Authority's One.network Platform and the Department's lane closure notification system to the Engineer. Include the name, email address, level of access required, and a copy of the individual's certification of training for Contractor personnel requiring access to the Authority's One.network Platform and the Department's LCNS. For change of access requests, submit a request to the Engineer at least ten calendar days in advance of when the change is needed.

102-3.3.1 Traffic Pacing: In addition to dates and locations, include a pacing plan outlining the expected equipment and number of traffic control officers required, the proposed traffic pacing lengths and durations, the available existing egresses in the event of an emergency, and a contingency plan in the event of an equipment failure.

APPENDICES

TECHNICAL SPECIAL PROVISIONS

The following Technical Special Provision is individually signed and sealed but are included as part of this Specifications Package.

TECHNICAL SPECIAL PROVISION FOR
SECTION T660

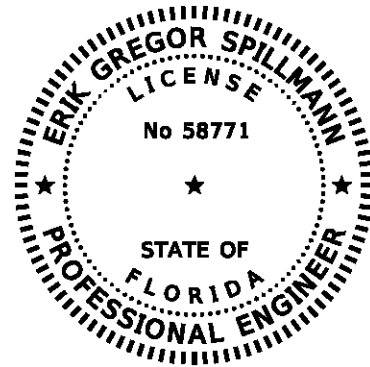
Pedestrian / Queue Detection System

PROJECT ID: HI-0314-C2026

HILLSBOROUGH COUNTY

The official record of this Technical Special Provision has been electronically signed and sealed using a Digital Signature as required by Rule 61G 15-23.004, F.A.C.

Signature and Seal: Erik Spillmann, PE
Date: January 20, 2026
State of Florida,
Professional Engineer, License No.: 58771
Firm/Agency Name: BCC Engineering, LLC
Firm/Agency Address: 160 N. Westmonte Drive, Suite #2000
City, State, Zip Code: Altamonte Springs, FL 32714
Page(s): 2



T660

PEDESTRIAN / QUEUE DETECTION SYSTEM

T660-4.6 Pedestrian / Queue Detection System (P/QDS) Field Acceptance Testing:

Conduct field acceptance testing for each crosswalk to be monitored by a PDS sensor. Test all local system functions using the installed PDS equipment as detailed in the Plans and approved by the Engineer. Testing must demonstrate that:

1. Physical construction has been completed as specified in the Plans and all existing and proposed lanes are clearly visible with no line of site obstructions.
2. The quality and tightness of ground and surge protector connections.
3. Proper voltages for all power supplies and related power circuits.
4. All connections, including correct installation of communication and power cables.
5. If P/QDS sensor fails to pass its acceptance test, correct the unit, or substitute another unit in its place, then repeat the test.

T660-4.6.1 Sensor Integration Validation: Conduct this test on detection zones to be detected by the P/QDS as shown in the Plans.

Verify the Transportation Management Center (TMC) workstation can access the controller website. Verify that controller is receiving detection data.

Integration of the PDS Sensor into the system shall be completed to ensure accurate detection. Activation of flashers under various operating conditions shall be tested. P/QDS sensors shall be subjected to the following test runs in both daytime and nighttime conditions:

1. For each detection zone (occupied or unoccupied), no false detection changes shall occur during the stability period.
2. Record a minimum of two entrance events and two exit events during the test cycle for each detection zone. Events must be spaced a minimum of five minutes apart to allow for system reset and revalidation. Confirm that flash activation is synchronized with events.

THIS COMPLETES THIS SPECIFICATIONS PACKAGE