

RESOLUTION NO. 2020-450

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS, CONDITIONS, PROVISIONS, AND REQUIREMENTS OF A LICENSE TO USE/HOLD HARMLESS AGREEMENT WITH FLORIDA POWER & LIGHT COMPANY FOR OVERHEAD ELECTRIC UTILITY FACILITIES ALONG A PORTION OF MEADOWBROOK ROAD; AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE THE AGREEMENT ON BEHALF OF ST. JOHNS COUNTY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Florida Power & Light Company (“FPL”) wishes to install, operate and maintain overhead electric utility facilities (“Facilities”) within a certain portion of the right-of-way of Meadowbrook Road (“Right-of-Way”); and

WHEREAS, Section 125.42, Florida Statutes, authorizes St. Johns County (“County”) to grant licenses to any person or private corporation to construct, maintain, repair, operate and remove lines for the transmission of power under, on, over, across or within the right-of-way limits of any county highway or public road or highway acquired by the county or public by purchase, gift, devise, dedication or prescription; and

WHEREAS, Section 337.401, Florida Statutes, further authorizes the County to prescribe and enforce reasonable rules and regulations with reference to the placing and maintaining of structures, including electric transmission power lines, poles and related facilities, across, on or within the right-of-way limits of roads within its jurisdiction and control, which includes the Right-of-Way; and

WHEREAS, the County and FPL have agreed to certain items with respect to the installation, operation and maintenance of the Facilities within the Right-of-Way as reflected in the License to Use/Hold Harmless Agreement attached hereto as Exhibit A and incorporated herein by reference; and

WHEREAS, entering into the License to Use/Hold Harmless Agreement for the installation, operation and maintenance of the Facilities within the Right-of-Way in the best interests of the County and the public.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AS FOLLOWS:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution, and such Recitals are adopted as findings of fact.

Section 2. The Board of County Commissioners hereby approves the terms, conditions, provisions, and requirements of the License to Use/Hold Harmless Agreement with Florida Power & Light Company, and authorizes the County Administrator, or designee, to execute

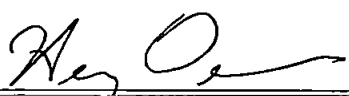
the agreement on behalf of the County, in substantially the same form and format as attached.

Section 3. To the extent that there are typographical and/or administrative errors and/or omissions that do not change the tone, tenor, or content of this Resolution, this Resolution may be revised without subsequent approval of the Board of County Commissioners.

Section 4. This Resolution shall become effective immediately upon its adoption.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, State of Florida, this 17th day of November, 2020.

**BOARD OF COUNTY COMMISSIONERS OF
ST. JOHNS COUNTY, FLORIDA**

By: 

Henry Dean, Vice Chairman

ATTEST: Brandon J. Patty, Clerk and Comptroller

By: 
Deputy Clerk

RENDITION DATE 11/19/20



Prepared by and return to:
St. Johns County
500 San Sebastian View
St. Augustine, Florida 32084

LICENSE TO USE / HOLD HARMLESS AGREEMENT

This LICENSE TO USE / HOLD HARMLESS AGREEMENT ("Agreement") is made this ___ day of _____, 2020, between **ST. JOHNS COUNTY, FLORIDA**, a political subdivision of the State of Florida, whose address is 500 San Sebastian View, St. Augustine, Florida 32084 (the "County"), and **FLORIDA POWER & LIGHT COMPANY**, a corporation organized and existing under the laws of the State of Florida, whose address is P.O. Box 14000, Juno Beach, Florida 33408-0420 ("FPL").

RECITALS:

A. FPL wishes to install, operate and maintain overhead electric utility facilities (including transmission and distribution lines, wires, cables and appurtenant equipment) (collectively, the "Facilities") within a certain portion of the right-of-way of Meadowbrook Road, as further described and depicted in Exhibit A attached hereto and incorporated herein by reference, (the "Right-of-Way"), a County-owned right-of-way and part of the County Road System, in accordance with certain construction plans further described below (the "Project").

B. Section 125.42, Florida Statutes, authorizes the County to grant licenses to any person or private corporation to construct, maintain, repair, operate and remove lines for the transmission of power under, on, over, across or within the right-of-way limits of any county highway or public road or highway acquired by the county or public by purchase, gift, devise, dedication or prescription.

C. Section 337.401, Florida Statutes, further authorizes the County to prescribe and enforce reasonable rules and regulations with reference to the placing and maintaining of structures, including electric transmission power lines, poles and related facilities, across, on or within the right-of-way limits of roads within its jurisdiction and control, which includes the Right-of-Way.

D. The County and FPL have agreed to certain items with respect to the Project as set forth herein.

NOW, THEREFORE, in consideration of the above, and based on the covenants contained herein, and ten dollars and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, it is agreed by and between the parties, as follows:

1. The above recitals are true and correct and are hereby incorporated into the body of this Agreement.

2. The County hereby grants to FPL and its contractors, agents, successors and assigns, a license to use the Right-of-Way, for the purpose of installation, operation and

maintenance of the Facilities within the Right-of-Way subject to the terms and conditions set forth in this Agreement. FPL and the County expressly acknowledge and agree that this permission is to be considered a license for permissive use only and that nothing in this Agreement, nor the installation, operation or maintenance of the Facilities in the Right-of-Way, shall operate to create or vest any right, title or interest in the Right-of-Way. Further, although FPL may enter and use the Right-of-Way for the purpose set forth in this Agreement, FPL shall not be in possession of the Right-of-Way. The County shall possess and otherwise control all aspects of use of the Right-of-Way.

3. The County agrees to issue to FPL a right-of-way permit for the Facilities in substantially the same form and format as attached hereto as Exhibit B (the "Right-of-Way Permit"). The installation, operation, and maintenance of the Facilities shall be subject to, and in accordance with, the terms and conditions of the Right-of-Way Permit and with those certain construction plans for the Project on file with the County as Right of Way Permit File No. 2020-0736 and further described as "IO # T00000023389, Putnam-St Johns 115kV Line, drawn by Hajar Akif, and dated July 2020, attached hereto as Exhibit C (the "Construction Plans"). FPL acknowledges and agrees that any material modifications to such plans must be submitted to the County for review and approval prior to installation, which may require amendment or revision to the Right-of-Way Permit.

4. All costs of the Project and the installation, operation and maintenance of the Facilities shall be paid by FPL.

5. Excluding temporary lane closures in connection with the installation of the Facilities (such closures to be coordinated with the County in accordance with customary practice) or obstructions caused by an event of force majeure, FPL and its agents shall not create any obstruction or conditions of the Right-of-Way or other public property which are or may become dangerous to the public, the County or its agents or employees.

6. FPL shall promptly repair any damage or injury to any County property caused by FPL, its contractors, agents, successors and/or assigns, by reason of the Project or the exercise of the privileges granted herein, including but not limited to repair of the road or highway, restoring such to a condition at least equal to that which existed immediately prior to the infliction of such damage or injury.

7. FPL shall be liable for any personal injury or damage to real or personal property arising from FPL's performance of its activities hereunder and shall defend, hold harmless, and indemnify the County and its officers, agents, and employees for and from the payment of any compensation, damages, claims, liability, costs, or fees resulting from the performance of FPL or its contractors, agents, employees, successors and assigns activities granted herein, unless caused by the County's negligence or misconduct; provided however, in no event shall FPL be liable to the County for any special, punitive or consequential damages. This provision shall survive the termination of this Agreement.

8. The County and FPL acknowledge that the location of the Facilities has been negotiated so as to accommodate known future expansion or construction plans of the County and anticipated expansion or relocation needs of FPL and the County. Notwithstanding the foregoing, FPL and the County acknowledge and agree that the Facilities may have to be removed from, or relocated within, the Right-of-Way in the future, in the event the County reasonably determines the Facilities are unreasonably interfering in any way with the convenient, safe or continuous use, or the maintenance, improvement, extension, expansion, widening, repair or reconstruction, of the road or highway for a legitimate transportation or public purpose; whereupon FPL shall remove or relocate all or a portion of the Facilities upon the County's request and at FPL's sole cost and expense. Prior to the County making a request to FPL for any such relocation hereunder, the parties shall seek in good faith to determine a mutually acceptable and timely resolution, which resolution may include relocation of some or all of the Facilities or revision of some of the County's proposed activities and construction or both. Before FPL is required to relocate, alter or remove all or a portion of the Facilities, FPL shall have the opportunity to eliminate the conflict with the Right-of-Way by modifying the Facilities. In the event FPL cannot eliminate the conflict, FPL agrees to relocate, alter, or remove all or a portion of said Facilities as set forth above. FPL and the County agree that, in the event the Facilities, or any part thereof, are to be relocated, such Facilities may be moved to another location within the Right-of-Way approved in advance by the County, including right-of-way subsequently acquired by the County or dedicated to the public, and that any such relocated Facilities shall be included in this Agreement and subject to its terms and conditions. FPL acknowledges that relocation of the Facilities may require application to the County for a new or revised right-of-way permit.

9. FPL shall comply with any and all applicable federal, state and local laws, rules, regulations, statutes, codes, orders, ordinances, permits, authorizations, approvals or other requirements in connection with the installation, operation and maintenance of the Facilities and the Project.

10. This Agreement is not intended to confer any right or interest not specifically stated herein. Nothing in this Agreement shall in any way restrict, limit or waive any right or obligation set forth in section 125.42, Florida Statutes, sections 337.401-.404, Florida Statutes, the St. Johns County Land Development Code, Ordinance No. 99-51, as amended, or any other applicable law, rule, regulation, statute, code, order, ordinance, permit, authorization, approval or other requirement.

11. Nothing in this Agreement is intended to, nor shall be construed, to operate as a waiver on the part of the County of the limitations of liability set forth in section 768.28, Florida Statute, or of the County's sovereign immunity.

12. The failure of either party to insist upon the strict performance or compliance with any provisions of this Agreement shall not constitute a waiver or relinquishment of such provision

on any subsequent occasion, and all such provisions shall remain in effect unless waived or relinquished in writing.

13. This Agreement may be assigned, in whole or in part, by either party only upon the written consent of the other, which consent shall not be unreasonably withheld.

14. This Agreement and the license granted herein shall run with the land and shall be binding on and shall inure to the benefit of the parties, their successors and assigns in perpetuity, subject to termination and revocation by the County in the event the Right-of-Way is closed, abandoned, vacated, discontinued or reconstructed or in the event FPL or its contractors, agents, successors and assigns shall fail to commence to correct any violation of the provisions hereof within a reasonable time after reasonable notice, and diligently pursue same to completion.

15. FPL and the County each agree to execute and deliver to the other party such further documents or instruments as may be reasonable and necessary in the furtherance or performance of the terms, conditions, and covenants of this Agreement.

16. This Agreement shall be recorded in the Official Records of St. Johns County, Florida.

17. This Agreement will be governed by and construed in accordance with the laws of the State of Florida. Venue for any administrative and/or legal action arising under this Agreement shall be in St. Johns County, Florida.

18. The County and FPL acknowledge that this Agreement and the exhibits hereto constitute the complete understanding of both parties with respect to the subject matters set forth herein. The County and FPL acknowledge that any amendments to this Agreement shall be in writing, and shall be executed by duly authorized representatives of the County and FPL.

19. This Agreement may be executed in multiple counterparts, each of which shall be deemed to be an original, but all of which, together, shall constitute one and the same instrument even though both parties may not have executed the same counterpart. Facsimile or PDF copies of this Agreement executed by a party shall operate as and may be relied upon as an original signature.

20. In the case of any conflicts between the terms of the Right-of-Way Permit and the terms of this Agreement, the terms of this Agreement shall control.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first set forth above.

ST. JOHNS COUNTY, FLORIDA, a political
subdivision of the State of Florida

Witness: _____
(Name Printed or Typed)

By: _____
Jeb S. Smith, Chair

Witness: _____
(Name Printed or Typed)

STATE OF FLORIDA
COUNTY OF ST. JOHNS

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this ____ day of _____, 2020, Jeb S. Smith, as Chair of the Board of County Commissioners of St. Johns County, Florida, on behalf of St. Johns County, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

FLORIDA POWER & LIGHT COMPANY, a corporation organized and existing under the laws of the State of Florida

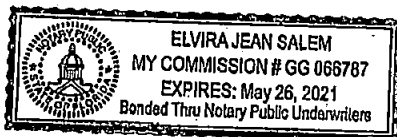
David Bruce
Witness: DAVID BRUCE
(Name Printed or Typed)

By: [Signature]
Name: GREGG HALL
Title: FPL MANAGER - SITING GROUP

Margie Fortin
Witness: Margie Fortin
(Name Printed or Typed)

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 21st day of October, 2020, by Gregg Hall, as FPL Manager, Siting of Florida Power & Light Company, on behalf of Florida Power & Light Company, who is personally known to me or has produced _____ as identification.



[Signature]
Notary Public
My Commission Expires: 05/26/2021

EXHIBIT A

Legal Description of "Right-of-Way"

See Attached.

EXHIBIT "A"

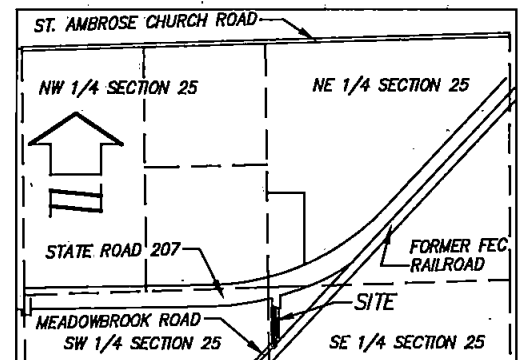
LEGAL DESCRIPTION:

A PORTION OF MEADOWBROOK ROAD, A 60 FOOT RIGHT OF WAY MAINTAINED BY ST. JOHNS COUNTY, FLORIDA PER COUNTY ROAD PLAT BOOK 1, PAGE 43, AND OFFICIAL RECORDS BOOK 1797, PAGE 1692, OF THE PUBLIC RECORDS OF ST. JOHNS COUNTY, FLORIDA, LYING SOUTHERLY OF AND ADJACENT TO STATE ROAD 207, A VARIABLE WIDTH RIGHT OF WAY PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION 78050-2527, AND NORTHERLY OF AND ADJACENT TO A 100 FOOT FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY OF AFORESAID MAP SECTION 78050-2527 (FORMER FLORIDA EAST COAST RAILROAD), SAID PORTION LYING IN SECTION 25, TOWNSHIP 8 SOUTH, RANGE 28 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF AFORESAID SECTION 25; THENCE RUN S00°44'15"E, ALONG THE WEST LINE OF THE EAST 1/2 OF SAID SECTION 25, A DISTANCE OF 2770.05 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY OF AFORESAID STATE ROAD 207, SAID POINT BEING A POINT ON A NON-TANGENT CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 2887.13 FEET, A CENTRAL ANGLE OF 00°44'56", A CHORD DISTANCE OF 37.73 FEET, AND A CHORD BEARING OF N75°59'08"E; THENCE RUN ALONG SAID SOUTHERLY LINE OF STATE ROAD 207 THE FOLLOWING THREE (3) COURSES AND DISTANCES: THENCE RUN EASTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 37.73 FEET TO THE END OF SAID CURVE; THENCE S00°11'48"W, A DISTANCE OF 107.59 FEET; THENCE S89°48'12"E, A DISTANCE OF 15.03 FEET TO THE INTERSECTION OF SAID SOUTHERLY LINE OF STATE ROAD 207 AND THE WEST RIGHT OF WAY OF AFORESAID MEADOWBROOK ROAD, AND THE POINT OF BEGINNING; THENCE CONTINUE S89°48'12"E, ALONG SAID SOUTHERLY LINE OF STATE ROAD 207, A DISTANCE OF 16.00 FEET; THENCE DEPARTING SAID SOUTHERLY LINE, RUN S00°44'14"E A DISTANCE OF 402.10 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY OF AFORESAID 100 FOOT FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY (FORMER EAST COAST RAILROAD); THENCE RUN S43°02'01"W, ALONG SAID NORTHERLY RIGHT OF WAY, A DISTANCE OF 23.13 FEET; THENCE DEPARTING SAID NORTHERLY RIGHT OF WAY, RUN N00°44'14"W A DISTANCE OF 419.06 FEET TO THE POINT OF BEGINNING.

CONTAINING 6569 SF, OR 0.15 ACRES, MORE OR LESS.

VICINITY MAP (NOT TO SCALE)

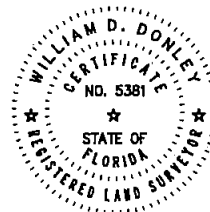


CERTIFIED TO:



SKETCH NOTES:

1. BEARINGS AND DISTANCES SHOWN HEREON ARE ASSUMED AND BASED ON THE WEST LINE OF THE EAST 1/2 OF SECTION 25, TOWNSHIP 8 SOUTH, RANGE 28 EAST, AS BEING S00°44'15"E.
2. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP, ADJOINERS OR OTHER INSTRUMENTS OF RECORD.
3. THIS SKETCH MEETS THE APPLICABLE "STANDARDS OF PRACTICE" AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN RULE 5J17.050-.052, FLORIDA ADMINISTRATIVE CODE.
4. THIS IS NOT A BOUNDARY SURVEY.
5. THE ELECTRONIC SIGNATURE HEREON IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE (FAC) 5J-17.062(3)
6. THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM D. DONLEY, PSM 5381, ON 10/22/2020 PER FAC 5J-17.062(2).



WILLIAM D. DONLEY
PROFESSIONAL SURVEYOR & MAPPER
LICENSE NUMBER LS 5381

SHEET 1 OF 2

NOT VALID WITHOUT THE SIGNATURE AND THE SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SKETCH OF DESCRIPTION ONLY. THIS IS NOT A SURVEY.

SKETCH OF DESCRIPTION

-OF-

RIGHT-OF-WAY UTILIZATION AREA

SECTION 25, TOWNSHIP 8 SOUTH, RANGE 28 EAST

ST. JOHNS COUNTY

FLORIDA



Dewberry

131 WEST KALEY STREET
ORLANDO, FLORIDA 32806

PHONE: 321.354.9826 FAX: 407.648.9104
WWW.DEWBERRY.COM

CERTIFICATE OF AUTHORIZATION No. LB 8011

PREPARED FOR:

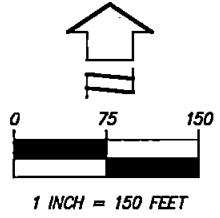
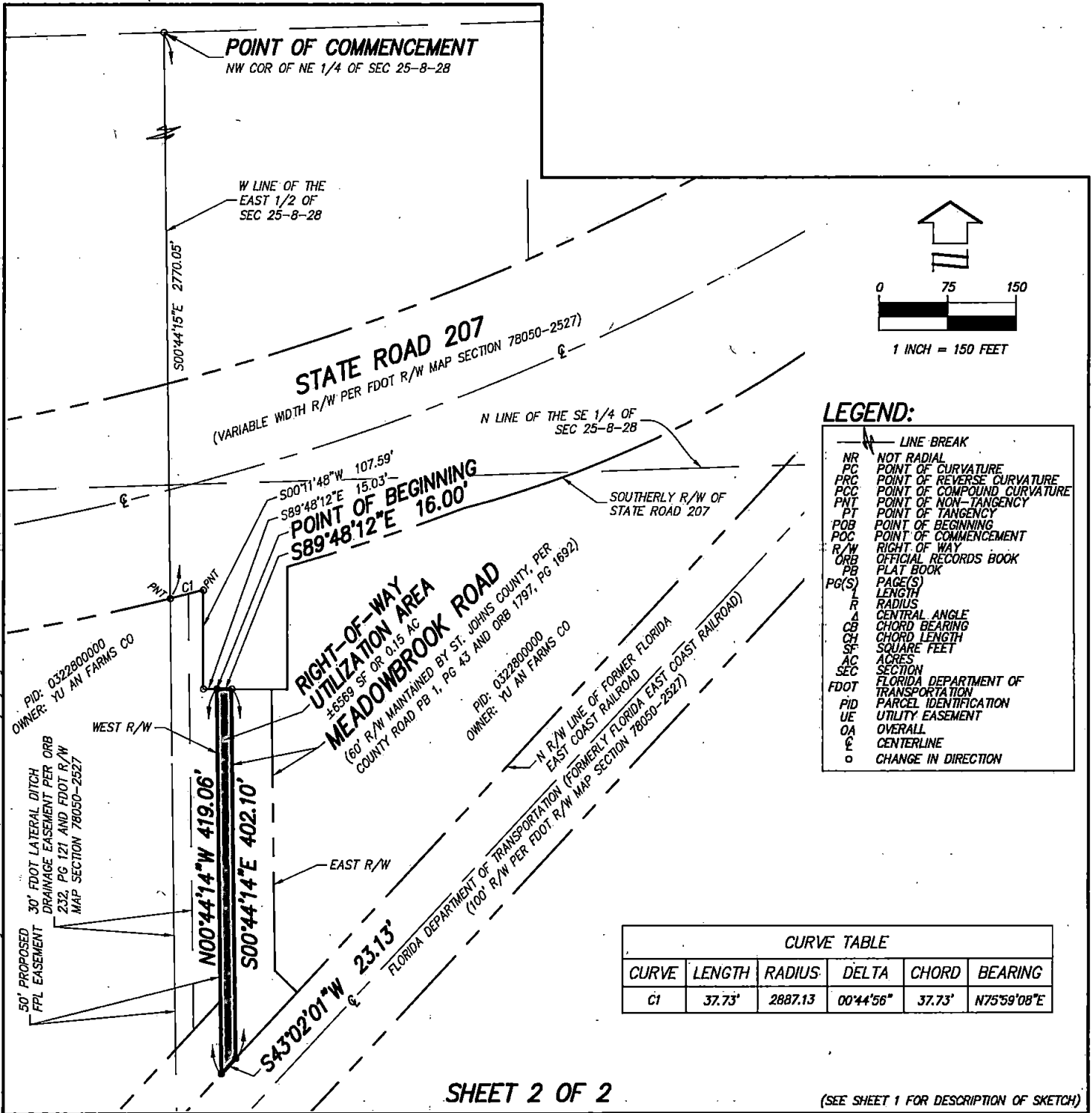


FPL

DATE: 10/22/20
REV DATE:
SCALE N/A

PROJ: 50111626
DRAWN BY: WCY
CHECKED BY: WDD

Drawing name: s:\FPL\2229_Traillside Solar\DWG-Civil\3D\2229-surrsketch_wire_enrcorochment.dwg SHEET 2 Oct 22, 2020 10:07am by: wyyoung



LEGEND:

- LINE BREAK
- NR NOT RADIAL
- PC POINT OF CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- PNT POINT OF NON-TANGENCY
- PT POINT OF TANGENCY
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- R/W RIGHT OF WAY
- ORB OFFICIAL RECORDS BOOK
- PB PLAT BOOK
- PG(S) PAGE(S)
- L LENGTH
- R RADIUS
- A CENTRAL ANGLE
- CB CHORD BEARING
- CH CHORD LENGTH
- SF SQUARE FEET
- AC ACRES
- SEC SECTION
- FDOT FLORIDA DEPARTMENT OF TRANSPORTATION
- PID PARCEL IDENTIFICATION
- UE UTILITY EASEMENT
- OA OVERALL
- CL CENTERLINE
- o CHANGE IN DIRECTION


CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD	BEARING
C1	37.73'	2887.13	00°44'56"	37.73'	N75°59'08"E

SHEET 2 OF 2

(SEE SHEET 1 FOR DESCRIPTION OF SKETCH)


SKETCH OF DESCRIPTION ONLY. THIS IS NOT A SURVEY.

SKETCH OF DESCRIPTION
 —OF—
RIGHT-OF-WAY UTILIZATION AREA
 SECTION 25, TOWNSHIP 8 SOUTH, RANGE 28 EAST
 ST. JOHNS COUNTY FLORIDA



Dewberry
 131 WEST KALEY STREET
 ORLANDO, FLORIDA 32806
 PHONE: 321.354.9826 FAX: 407.648.9104
 WWW.DEWBERRY.COM
 CERTIFICATE OF AUTHORIZATION No. LB 8011

PREPARED FOR:



FPL

DATE: 10/22/20
 REV DATE:
 SCALE 1"=150'

PROJ: 5011626
 DRAWN BY: WCY
 CHECKED BY: WDD

EXHIBIT B

Right-of-Way Permit

See Attached.

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

Zone: _____

Activated: _____

RIGHT-OF-WAY USE PERMIT APPLICATION

Phone: (904) 209-0134 Fax: (904) 209-0135

PERMIT NUMBER: 2020-0736

For construction within County road rights-of-ways requiring this permit in accordance with the provisions of the St. Johns County Land Development Code, Standards & Detail Manual, and the St. Johns County Water & Wastewater Design Standards & Specifications Resolution No. 92-189, with revisions.

1. Applicant's Name Florida Power & Light Company Contact Name (Print Only) Rafael Vides
Mailing Address 15430 Endeavor Drive Email rafael.e.vides@fpl.com
Jupiter, FL 33478
Telephone _____
Project Number (Utility Use Only) This is for aerial crossing only. P Contractor License Number: _____

2. Proposed construction (Check the appropriate box and provide the required information).

A. Commercial Driveway Check One: Permanent _____ Temporary _____ Paver Construction _____
911 address connecting to county road: _____ **2 Full Business Days**
 B. Utilities Type _____ **Before You Dig Call**
SUNSHINE STATE ONE CALL
 C. Other Location Meadowbrook Rd **811**
Describe _____
Location _____ **IT'S THE LAW IN FLORIDA**

3. I HEARBY CERTIFY THAT I HAVE MADE APPLICATION FOR THE PERMIT DESCRIBED ABOVE, THAT I HAVE PROPER AUTHORITY TO APPLY FOR SUCH PERMIT AND WILL ABIDE WITH ALL OF THE CONDITIONS ATTACHED TO THE PERMIT, INCLUDING THE STATED SPECIAL AND GENERAL CONDITIONS ATTACHED HERETO.

Date: _____ Signature of Applicant:(Required) rafael.e.vides@fpl.com

FOR ST. JOHNS COUNTY OFFICE USE ONLY

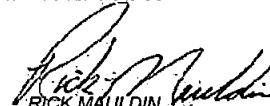
Permission for the above-described construction is granted subject to these additional requirements:
CALL 904-209-0126 for FINAL INSPECTION after completion of all work. (Refer to Note 9)

EFFECTIVE DATE OF PERMIT: 10/20/2020 EXPIRATION DATE OF PERMIT: 04/20/2021
EXTENSION DATE OF PERMIT: _____

Final Inspection: _____
Permit Fee: \$ 225.00 Extension Fee: \$ _____
 Paid by Check # _____

RIGHT OF WAY PERMITS

APPROVED APPROVED AS NOTED
 ADDITIONAL INFO NEEDED REJECTED


RICK MAULDIN
ENGINEERING DIVISION
10/20/2020
Signature/Date

SPECIAL CONDITIONS:

- 1. Call Sunshine 48 hours before you dig at 1-800-432-4770. It's the Law in Florida
- 2. Approval of this permit does not exclude the applicant from obtaining other approvals or exclude requirements based on PUD's, DRI's, Building Department, NPDES, etc. Note 14 of the attached "General Conditions" becomes an integral part of this permit when signed by the applicant.
- 3. Permit close out is contingent upon receipt of an executed Agreement between St. Johns County and Florida Power & Light. By starting this project before the agreement, FPL agrees to all General Conditions of the approved permit.

GENERAL CONDITIONS

1. All authorized work shall be completed in accordance with this approved application, the provisions of the St. Johns County Land Development Code and St. Johns County Water & Wastewater Design Standards & Specifications, Resolution No. 92-189 with revisions, and requirements of all other federal, state and local agencies having jurisdiction over the project. In addition, all construction must meet standards as set forth in the **Americans With Disabilities Act of 1990, Title II**.
2. Public safety shall be maintained at all times during construction in accordance with the Provisions of Part VI, Work Zone Traffic Control, of the Manual on Uniform Traffic Control Devices. **Maintenance of Traffic** plans are required with the application submittal package prior to approval.
3. When excavation is included in this permit, all gas companies must be consulted for information as to existing gas pipelines and appurtenances, pursuant to the provision of Chapter 553.851 Florida Statutes. All other utilities likewise shall be consulted, for location on all existing underground construction.
4. Private driveways, public utilities, and other such improvements permitted herewith which are not available for immediate use by the general public are considered as remaining in private ownership and accommodated within the public right-of-way or other public areas. The owner of such facilities, or their successors or assigns, shall be responsible for maintaining such facilities in good and safe repair.
5. This application shall become a permit with signature of authorization, and number assigned. Applicant is responsible for supplying the approved permit to their contractor or subcontractor who must have it on site during construction at all times. **Failure to present the approved permit upon demand may result in immediate shutdown of any and all construction activities as determined by the St. Johns County Inspector.**
6. The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.
7. It is expressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property pursuant to this permit shall not operate to create or vest any property rights to said holder.
8. Whenever necessary for the construction, repair, improvement, maintenance, safe and efficient operation, the alteration or relocation of all, or any portion of said road or highway as determined by St. Johns County, any or all of said poles, wires, pipes, cables or other facilities and appurtenances authorized herein under shall be immediately removed from said road, highway and rights-of-ways for reset or relocation thereon as required by St. Johns County, and at the expense of the permittee unless reimbursement was preauthorized in writing.
9. **All materials, equipment and workmanship shall be subject to inspection by the St. Johns County Engineering Department, phone (904) 209-0119 for all inspections.**
10. All St. Johns County rights-of-ways shall be restored to its original or better condition, in keeping with St. Johns County specifications, and in a manner satisfactory to the Engineering Operations, Public Works Division and/or Development Services Department. See also General Conditions, Note#20 for other important requirements.
11. All installation shall conform where applicable, to the Utility Accommodation Guide, FDOT, and latest edition.
12. Attached drawings covering details of this installation shall be made a part of this permit. Final sketches or drawings showing installation "as built" shall be filed with Engineering Operations within Thirty (30) days of completion. All changes made during construction shall be recorded on the "as built" drawings. Drawings shall give accurate dimensions of concealed and underground construction with vertical and horizontal locations of work from easily identified fixed reference points. **A set of stamped drawings signed and sealed by a Florida Registered Engineer may be required with the submittal drawings as determined by the Engineering Right-of-Way Division Manager.**
13. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of St. Johns County's right, title and interest in the land to be entered upon and used by the holder, and the holder, will at all times, assume all risk and indemnify,

GENERAL CONDITIONS - CONTINUED

14. *In case of noncompliance with any St. Johns County requirements, this permit is void and the facility will have to be brought into compliance or removed from the right-of-way immediately at no cost to St. John County.*

15. St. Johns County reserves the right to withhold issuance of current and future permits to the applicant for failing to comply with St. Johns County or the Engineering Operations Division requests, General Conditions, Ordinances, permit request, Resolutions, or ANY part of the St. Johns County's Land Development Code.

16. Applicant/Licensee agrees to indemnify, hold harmless, defend from, and release the County, its Board of County Commissioners, and members thereof, from any loss, damage, suit, judgement, action, cost, or expense incurred, or brought against St. Johns County, its Board of County Commissioners, and members thereof, including personal injury, damage to vehicles, and damage to property, resulting from or arising out of the exercise of the rights and privileges granted by this permit.

17. Pavers are allowed within the St. Johns County rights-of-ways for use as commercial driveways. If there is a new or existing sidewalk within any portion of the new or replacement section of the permitted driveway, no modifications or alterations may be made to the sidewalk in any way without prior written authorization. ADA (Americans with Disabilities Act) standards must be strictly followed and those standards will be noted on your approved permit. Should any portion of the permitted COMMERCIAL DRIVEWAY be determined to be out of compliance with county standards and/or ADA standards, the applicant or the applicants contractor will be required to remove this non-conforming section and replace it within 48 (fourty-eight) hours of written notice by St. Johns County. This requirement will be enforced even if the existing sidewalk or modifications to the sidewalk are not shown on the drawings as submitted with the Commercial Driveway Permit Application. See also Note 14 of the GENERAL CONDITIONS.

18. IMPORTANT WARRANTY INFORMATION: All work performed within the St. Johns County rights-of-ways under an approved Engineering Division right-of-way permit will be warranted for a period not less than (12) twelve months from the expiration date as shown on the permit. However, in the event the project includes open road cuts, roadway cuts, roadway patches, directional drilling or any type of activities conducted under roadways as issued with the approved right-of-way permit, the warranty period shall be indefinite unless compaction test reports, asphalt test reports, reports showing depth of bores, and as-builts are provided to the St. Johns County inspector prior to final inspection.

19. Jetting of utilities under roadways is **PROHIBITED** within any and all rights-of-ways of St. Johns County per Section 6.04.04.E.3, page VI-32 of the St. Johns County Land Development Code, Adopted July 29, 1999.

20. It is the sole responsibility of the applicant to video and/or provide detailed digital photographs of the proposed construction site prior to commencing any and all work in order to protect the applicants interest in the event of disputes between residents, subcontractors, St. Johns County inspector, etc. In the event of a dispute the applicant will provide St. Johns County a copy of the original video/digital photographs for review. All rights-of-ways must be restored to existing or better conditions as set forth and detailed within the St. Johns County Land Development Code Section 6.04.04.E.5, page VI-32.

21. Applicant must assure that any and all work as permitted is performed within the county owned rights-of-ways only and NOT encroaching in whole or in part onto private property by means of conducting a survey, survey staking, as-builts, etc. It is not the responsibility of the Right-of-Way Permitting Division to ensure the exact location of any proposed work. In the event of a conflict, it will be the responsibility of the permittee to resolve the issue.

EXEMPTIONS

1. Utilities performing emergency maintenance or emergency repair work do not require a right-of-way permit. However, the Utility must set up a safe work zone in accordance with the latest edition of the Manual on Uniform Traffic Control Devices, (MUTCD) and call (904) 209-0119 to inform the St. Johns County inspector of the unscheduled work and its location. Scheduled work IS NOT considered an emergency. In addition, should any damage occur to the roadway system, drainage system, etc. due to the maintenance or emergency repair work a Right-of-Way permit will be required and a fee will be accessed.

2. Developments with approved construction plans by the Development Review Committee (DRC) are exempt from obtaining a separate right-of-way permit providing ALL on-site and off-site utility work within the rights of ways are shown on the approved

IO # T00000023389
Putnam-St Johns 115kV Line

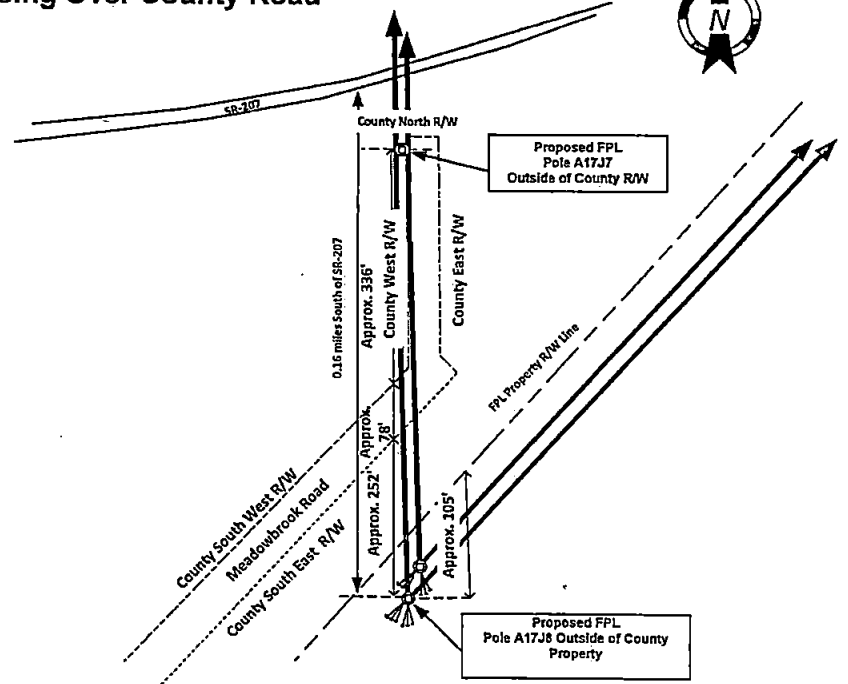
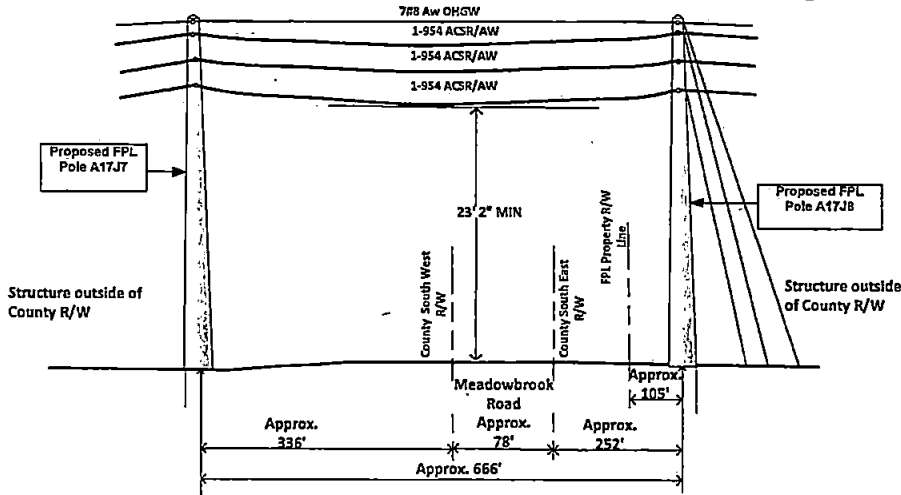


Requested MAINTENANCE OF TRAFFIC (MOT)
PLAN
FDOT Index # 602 and 603. POSTED SPEED 25MH

- Notes:
1. Pole located outside of the County right-of-way
 2. There are no third-party lines attached to the poles.
 3. County and South Bound Lane Closure Request to install Transmission Pole.
 4. Minimum Clearance of 23' 2" to Ground @ Maximum temperature.
 5. Conductor Size: 954 ACSR/AW.

Location:		SEC. 25	TWP. 8 S	RGE. 28E	FPL	IO #T00000023389
Pole Type	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115KV
	SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 KV	<input checked="" type="checkbox"/>	115 KV	<input type="checkbox"/>	138 KV	Scope: Cutting into existing Transmission Putnam-St Johns 115KV line to the new Trallside Solar site by installing new poles.
<input type="checkbox"/>	230 KV	<input type="checkbox"/>	500 KV	<input type="checkbox"/>	CONTAMINATION	
Drawn by: Hajar Akif					Date: July 2020	
Scale: N.T.S					Dwg No. 1 of 2	

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7 & A17J8 Crossing Over County Road



LEGEND

	RIGHT-OF-WAY
	EDGE OF PAVEMENT
	ROUND SPUN CONCRETE POLE
	EXISTING TRANSMISSION WOOD POLE
	EXISTING TRANSMISSION CONCRETE POLE
	PROPOSED SPUN CONCRETE POLE
	EXISTING DISTRIBUTION WOOD POLE
	EXISTING DISTRIBUTION CONCRETE POLE
	ANCHOR
	CENTER LINE
	SPAN GUY WIRE
	RIGHT OF WAY LINE
	CENTER LINE OF ROAD
	TRANSMISSION LINE
	NEW CONDUCTOR TRANS. LINE

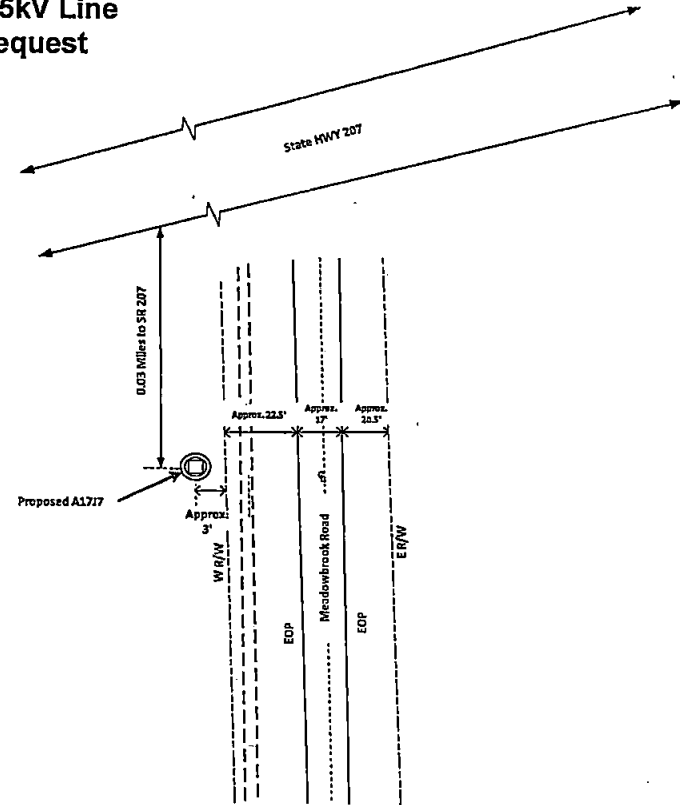
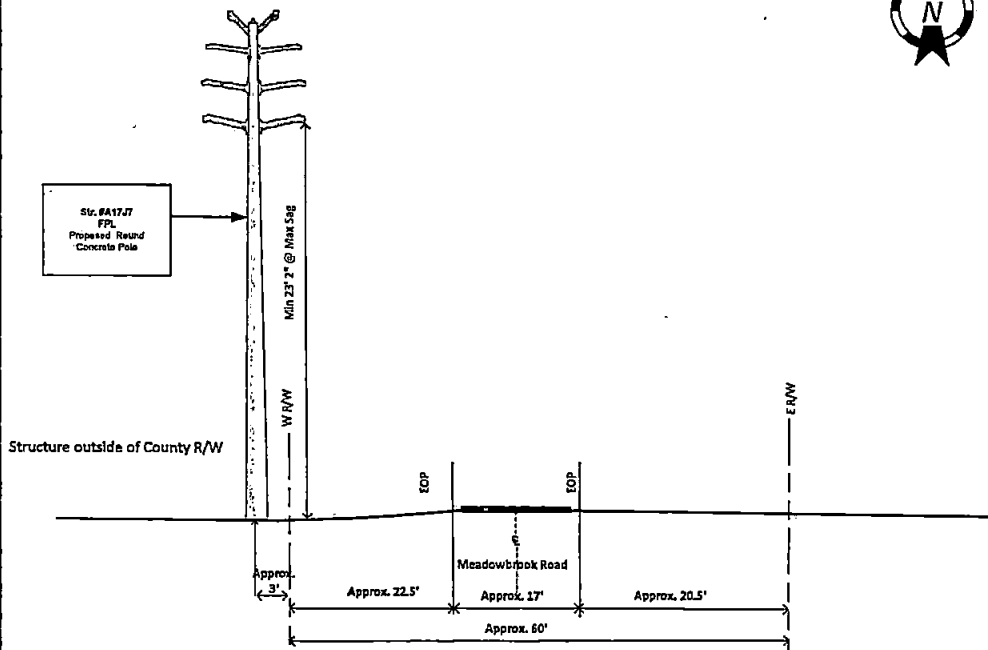
Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603, POSTED SPEED 25MH

Notes:

1. All Proposed Poles located outside of County right-of-way
2. Clearances shown at maximum design temperature and final sag.
3. There are no third-party lines attached to the poles.

Location:		SEC. 25	TWP. 8 S	RGE. 28 E	FPL	IO #T0000023389
Project Area	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
	SFWM	RR Xing	DR, Dist.	COE		County: St Johns
<input type="checkbox"/> 69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/> 138 kV	Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.			
<input type="checkbox"/> 230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/> CONTAMINATION				
Drawn by: Hajar Akif		Date: July 2020		Scale: N.T.S.		
		Dwg No. 3 of 3				

IO # T0000023389
Putnam-St Johns 115kV Line
County Permit Request



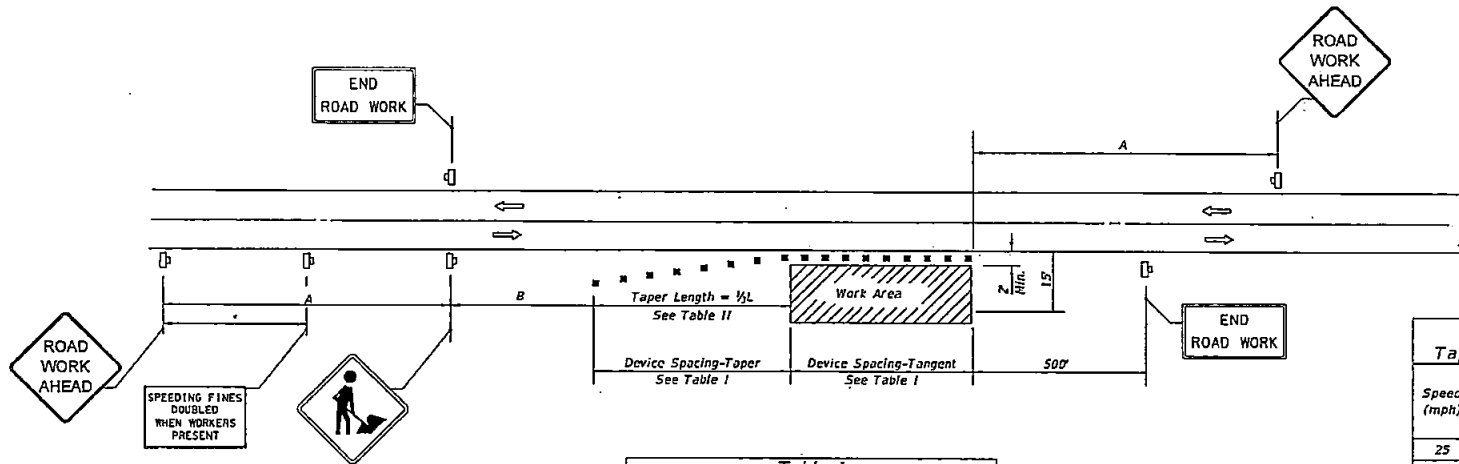
- Notes:**
1. Pole located outside of the County right-of-way
 2. There are no third-party lines attached to the poles.
 3. County and South Bound Lane Closure Request to install Transmission Pole.
 4. Minimum Clearance of 23' 2" to Ground @ Maximum temperature.
 5. Conductor Size: 954 ACSR/AW.

LEGEND

	R/W	RIGHT-OF-WAY
	EOP	EDGE OF PAVEMENT
	SPC	ROUND SPUN CONCRETE POLE
		EXISTING TRANSMISSION WOOD POLE
		EXISTING TRANSMISSION CONCRETE POLE
		PROPOSED SPUN CONCRETE POLE
		EXISTING SPUN CONCRETE POLE
		EXISTING DISTRIBUTION WOOD POLE
		ANCHOR
		CENTER LINE
		SPAN GUY WIRE
		RIGHT OF WAY LINE
		CENTER LINE OF ROAD
		TRANSMISSION LINE
		NEW CONDUCTOR TRANS. LINE

Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
 FDOT Index # 602 and 603. POSTED SPEED 25MH

Location:		SEC. 25	TWP. 8 S	RGE. 28E	FPL	IO #T0000023389
PERMIT REQ'D	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
	SFWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/>	115 kV	<input type="checkbox"/>	138 kV	Scope: Cutting Into existing Transmission Putnam-St Johns 115kV line to the new Trailside Solar site by installing new poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/>	500 kV	<input type="checkbox"/>	CONTAMINATION	
Drawn by:		Hajar Akif		Date:		July 2020
Scale:		N.T.S		Dwg No.		2 of 2



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

*Midway between signs.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	$\frac{1}{2}L$ (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	$L = \frac{WS^2}{60}$
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	$L = WS$
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width

$\frac{1}{2}L$ = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

- SYMBOLS**
- Work Area
 - Channelizing Device (See Index 102-600)
 - Work Zone Sign
 - Lane Identification + Direction of Traffic

- GENERAL NOTES**
- When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index 102-603.
 - SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
 - When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ indexes.
 - For general TCZ requirements and additional information, refer to Index 102-600.






- DURATION NOTES**
- Signs and channelizing devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

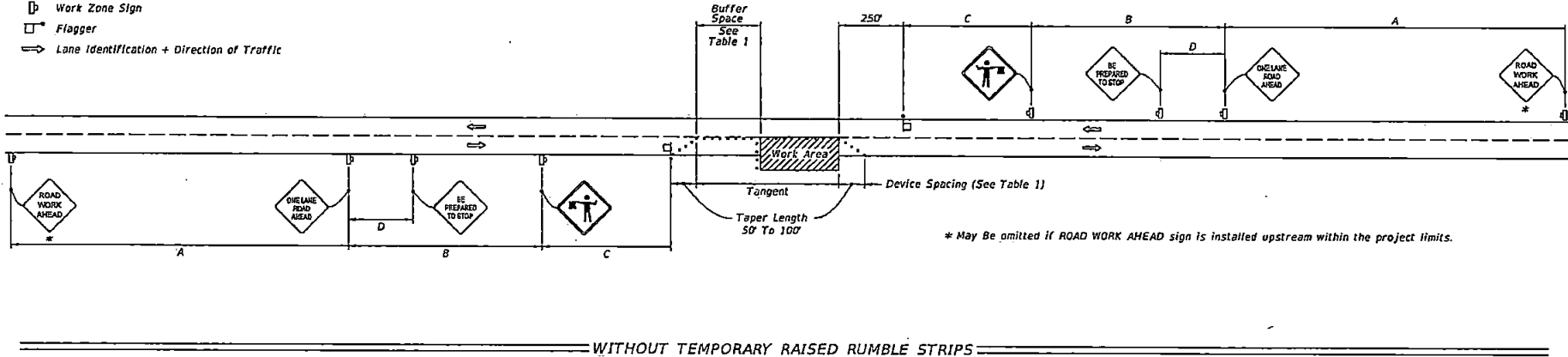
CONDITIONS
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

9/18/2018 10:28:44 AM

LAST REVISION 11/01/17	DESCRIPTION:	FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 1
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic



GENERAL NOTES:

1. Special Conditions may be required in accordance with these notes and the following sheets:
 - A. Railroad Crossings:
 - a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
 - b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
 - B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
2. Temporary Raised Rumble Strips:
 - A. Use when both of the following conditions are met concurrently:
 - a. Existing Posted Speed is 55 mph or greater;
 - b. Work duration is greater than 60 minutes.
 - B. Use a consistent Strip color throughout the work zone.
 - C. Place each Rumble Strip Set transversely across the lane at locations shown.
 - D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
3. Additional one-way control may be provided by the following means:
 - A. Flag-carrying vehicle;
 - B. Official vehicles;
 - C. Pilot vehicles;
 - D. Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ Indexes.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft. for posted speeds greater than 25 mph.
7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
 - A. Work operations are 60 minutes or less.
 - B. Speed limit is 45 mph or less.
 - C. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
 - D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
 - E. Volume and complexity of the roadway has been considered.
 - F. If a railroad crossing is present, vehicles will not queue across rail tracks.
 - G. AFADs are not in use.
8. See Index 102-600 for general TCZ requirements and additional information.
9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102, 990 and the APL vendor drawings.

TABLE 1






Posted Speed	DEVICE SPACING				Distance Between Signs				Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Barricodes/Panels/Drums		A	B	C	D	
	On a Taper	On a Tangent	On a Taper	On a Tangent					
25	20'	50'	20'	50'	200'	200'	200'	100'	155'
30	20'	50'	20'	50'	200'	200'	200'	100'	200'
35	20'	50'	20'	50'	200'	200'	200'	100'	250'
40	20'	50'	20'	50'	200'	200'	200'	100'	305'
45	20'	50'	20'	50'	350'	350'	350'	175'	360'
50	20'	50'	20'	100'	500'	500'	500'	250'	425'
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'

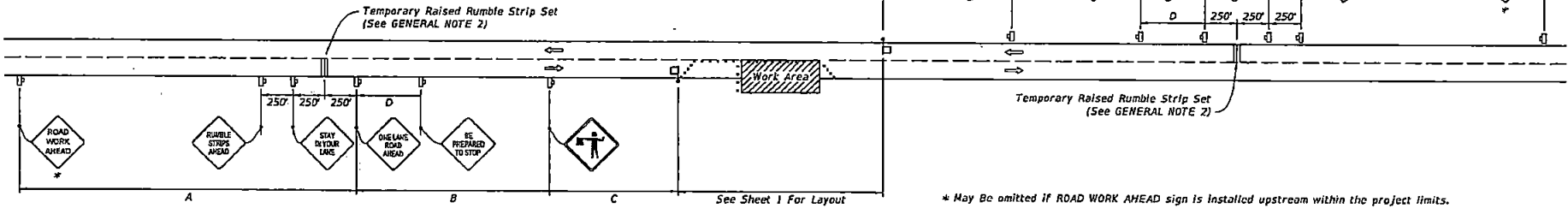
CONDITIONS
 WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

102402-04
01/18/2018

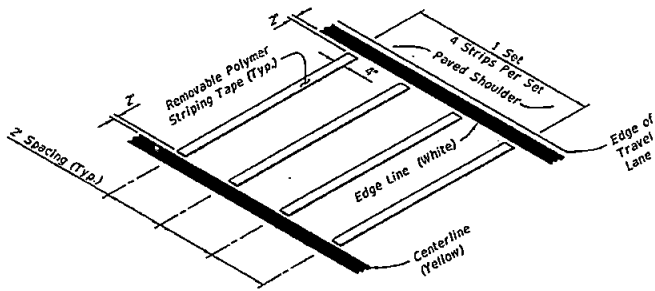
LAST REVISION 11/01/17	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 1 of 3
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic

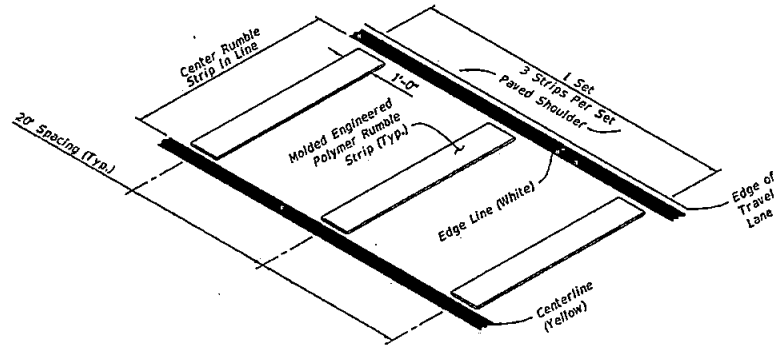


WITH TEMPORARY RAISED RUMBLE STRIPS
(When Required See GENERAL NOTE 2)



REMOVABLE POLYMER STRIPING TAPE

RUMBLE STRIP SET
OPTION - 1



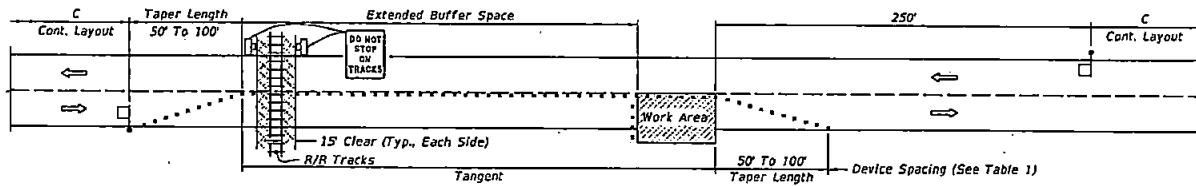
MOLDED ENGINEERED POLYMER SET

RUMBLE STRIP SET
OPTION - 2

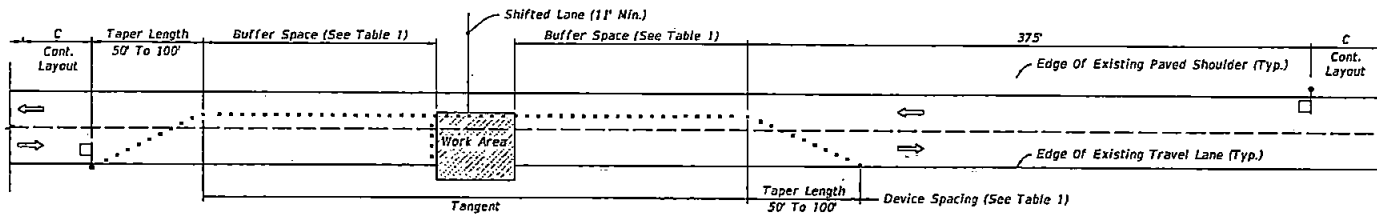
TEMPORARY RAISED RUMBLE STRIPS

9/18/2018 102-603.dwg

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 2 of 3
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TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION



TEMPORARY LANE SHIFT TO SHOULDER WHEN
WORK AREA ENCRACHES ON THE CENTERLINE

SPECIAL CONDITIONS

Cross Reference:
1. See General Note 1, Sheet 1 for more information.

SPECIAL CONDITIONS

LAST
REVISION
11/01/17

DESCRIPTION:



FY 2019-20
STANDARD PLANS

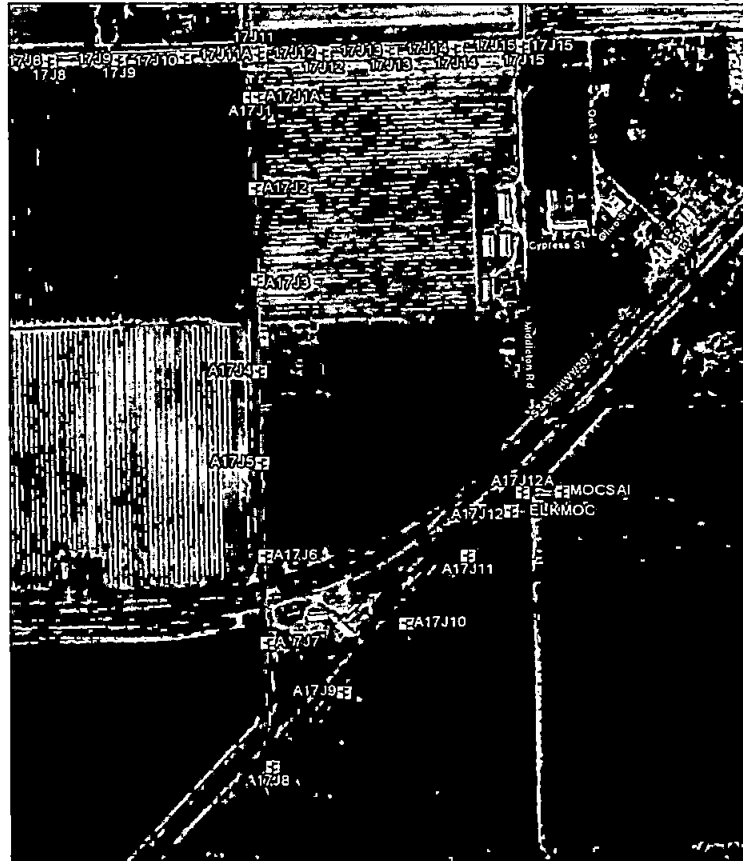
TWO-LANE, TWO-WAY,
WORK WITHIN THE TRAVEL WAY

INDEX
102-603

SHEET
3 of 3

12/18/2018 10:24:23 AM

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7, A17J8A & A17J8 Crossing Over County Road

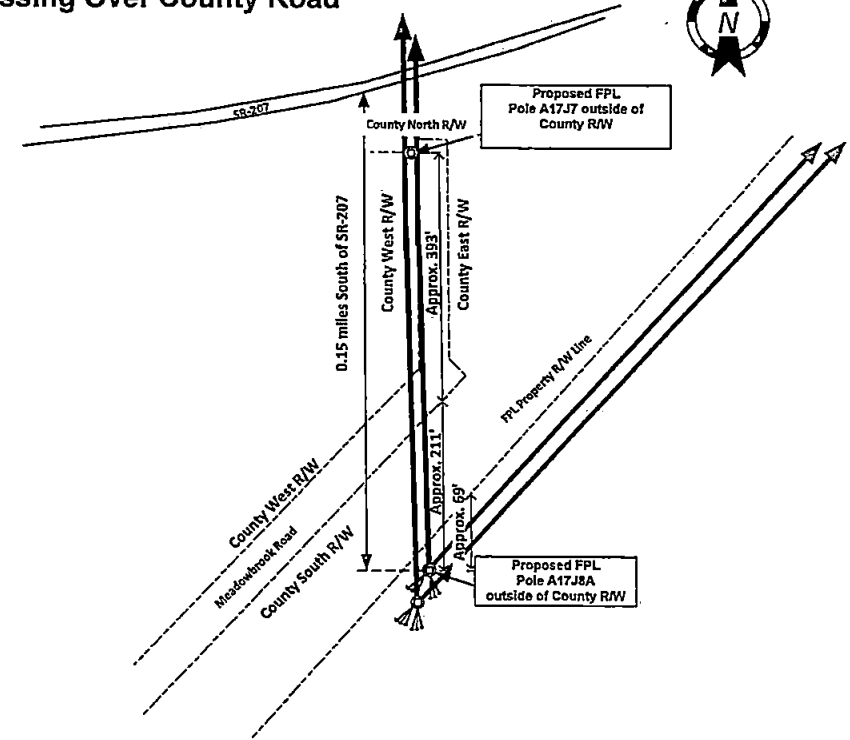
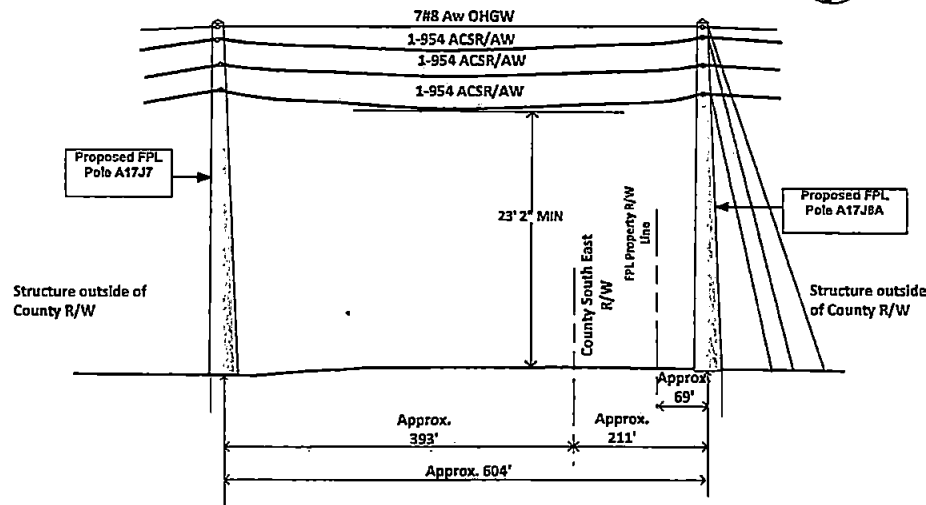


Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603, POSTED SPEED 25MH

- Notes:**
1. All Proposed Poles located outside of County right-of-way
 2. Clearances shown at maximum design temperature and final sag.
 3. There are no third-party lines attached to the poles.

Location:		SEC. 25	TWP. 8 S	RGE. 28 E	FPL	IO #T0000023389
PERMIT REQ	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
	SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/>	115 kV	<input type="checkbox"/>	138 kV	Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trallside Solar site by installing new transmission poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/>	500 kV	<input type="checkbox"/>	CONTAMINATION	Drawn by: Hejar Akif
						Date: July 2020
						Scale: N.T.S
						Dwg No. 1 of 3

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7 & A17J8A Crossing Over County Road



LEGEND

	R/W.....RIGHT-OF-WAY
	EOP.....EDGE OF PAVEMENT
	SPC.....ROUND SPUN CONCRETE POLE
	.....EXISTING TRANSMISSION WOOD POLE
	.....EXISTING TRANSMISSION CONCRETE POLE
	.....PROPOSED SPUN CONCRETE POLE
EXISTING SPUN CONCRETE POLE
EXISTING DISTRIBUTION WOOD POLE
ANCHOR
CENTER LINE
SPAN GUY WIRE
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CENTER LINE OF ROAD
TRANSMISSION LINE
NEW CONDUCTOR TRANS. LINE

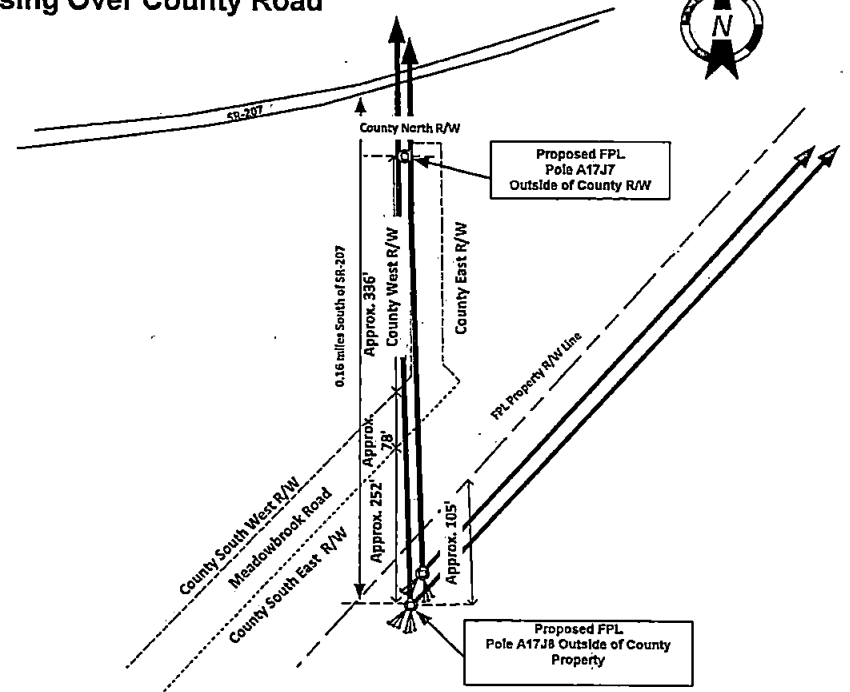
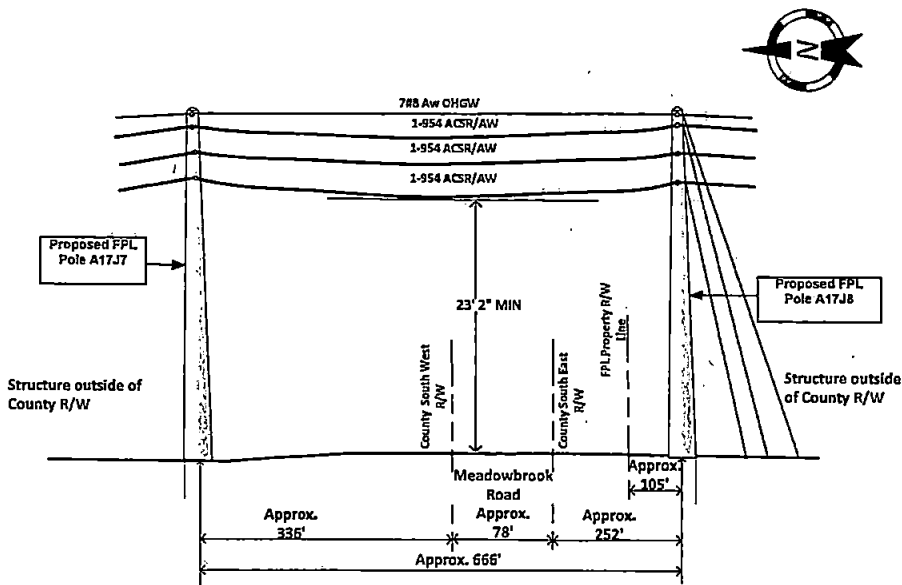
Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603. POSTED SPEED 25MH

Notes:

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PERMIT REQUIRED	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115KV
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<input type="checkbox"/> 69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/> 138 kV				Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.
<input type="checkbox"/> 230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/> CONTAMINATION				Drawn by: Hajar Akif
					Scale	Date: July 2020
					N.T.S	Dwg No. 2 of 3

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7 & A17J8 Crossing Over County Road



LEGEND

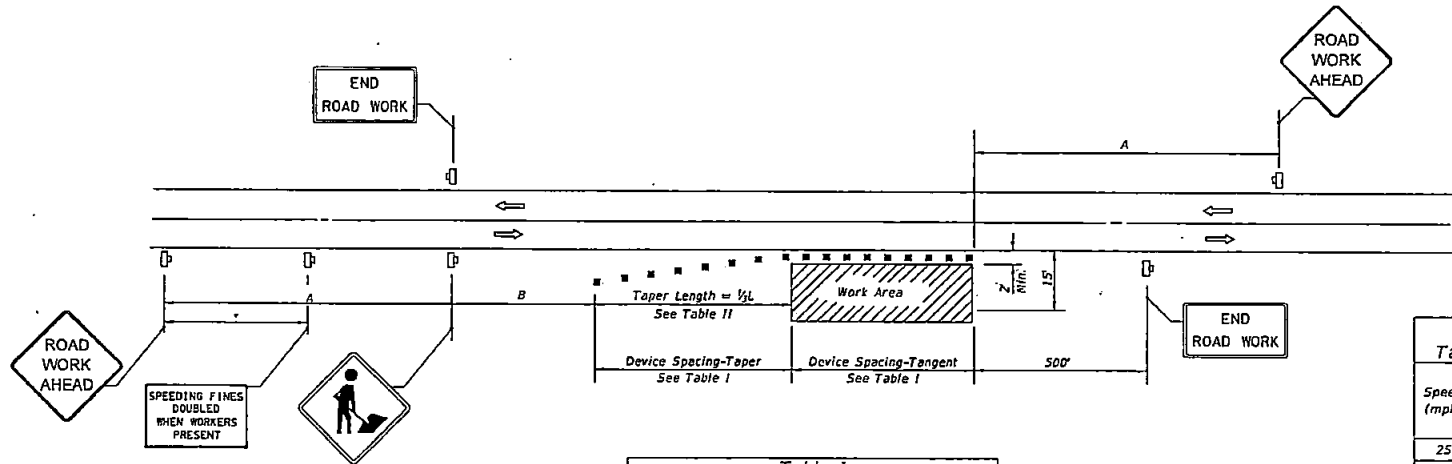
	R/W.....	RIGHT-OF-WAY
	EOP.....	EDGE OF PAVEMENT
	SPC.....	ROUND SPUN CONCRETE POLE
	.....	EXISTING TRANSMISSION WOOD POLE
	.....	EXISTING TRANSMISSION CONCRETE POLE
	.....	PROPOSED SPUN CONCRETE POLE
	.....	EXISTING SPUN CONCRETE POLE
	.....	EXISTING DISTRIBUTION WOOD POLE
	.....	ANCHOR
	.....	CENTER LINE
	.....	SPAN GUY WIRE
	.....	RIGHT OF WAY LINE
	.....	CENTER LINE OF ROAD
	.....	TRANSMISSION LINE
	.....	NEW CONDUCTOR TRANS. LINE

Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603. POSTED SPEED 25MH

Notes:

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Location:		SEC. 25	TWP. 8 S	RGE. 28 E	FPL	IO #T0000023389
PERMIT	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
EXIST	SFWM	RR Ring	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/>	138 kV		Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/>	CONTAMINATION		Drawn by: Hajar Akif
						Date: July 2020
						Scale: N.T.S
						Dwg No. 3 of 3



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

*Midway between signs.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS ² 60
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L = WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

SYMBOLS

- Work Area
- Channelling Device (See Index 102-600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

GENERAL NOTES

- When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index 102-603.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ indexes.
- For general TCZ requirements and additional information, refer to Index 102-600.






DURATION NOTES

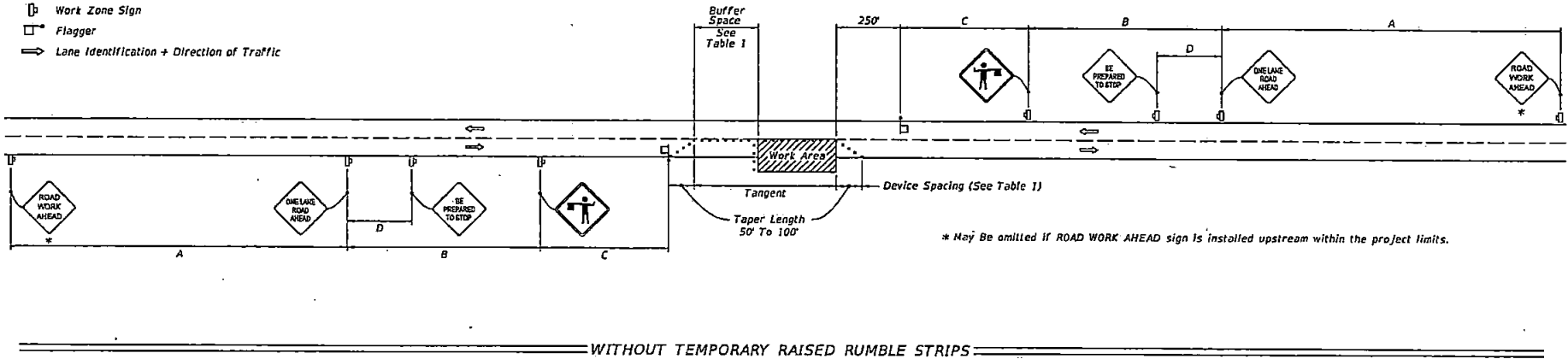
- Signs and channelling devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

9/14/2016 10:22:44 AM

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 1
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic



WITHOUT TEMPORARY RAISED RUMBLE STRIPS

GENERAL NOTES:

1. Special Conditions may be required in accordance with these notes and the following sheets:
 - A. Railroad Crossings:
 - a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
 - b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
 - B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
2. Temporary Raised Rumble Strips:
 - A. Use when both of the following conditions are met concurrently:
 - a. Existing Posted Speed is 55 mph or greater;
 - b. Work duration is greater than 60 minutes.
 - B. Use a consistent Strip color throughout the work zone.
 - C. Place each Rumble Strip Set transversely across the lane at locations shown.
 - D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
3. Additional one-way control may be provided by the following means:
 - A. Flag-carrying vehicle;
 - B. Official vehicles;
 - C. Pilot vehicles;
 - D. Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ Indexes.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft, for posted speeds greater than 25 mph.
7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
 - A. Work operations are 60 minutes or less.
 - B. Speed limit is 45 mph or less.
 - C. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
 - D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
 - E. Volume and complexity of the roadway has been considered.
 - F. If a railroad crossing is present, vehicles will not queue across rail tracks.
 - G. AFADs are not in use.
8. See Index 102-600 for general TCZ requirements and additional information.
9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102, 990 and the APL vendor drawings.






Posted Speed	DEVICE SPACING				Distance Between Signs				Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Barricades/Panels/Drums		A	B	C	D	
	On a Taper	On a Tangent	On a Taper	On a Tangent					
25	20'	50'	20'	50'	200'	200'	200'	100'	155'
30	20'	50'	20'	50'	200'	200'	200'	100'	200'
35	20'	50'	20'	50'	200'	200'	200'	100'	250'
40	20'	50'	20'	50'	200'	200'	200'	100'	305'
45	20'	50'	20'	50'	350'	350'	350'	175'	360'
50	20'	50'	20'	100'	500'	500'	500'	250'	425'
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'

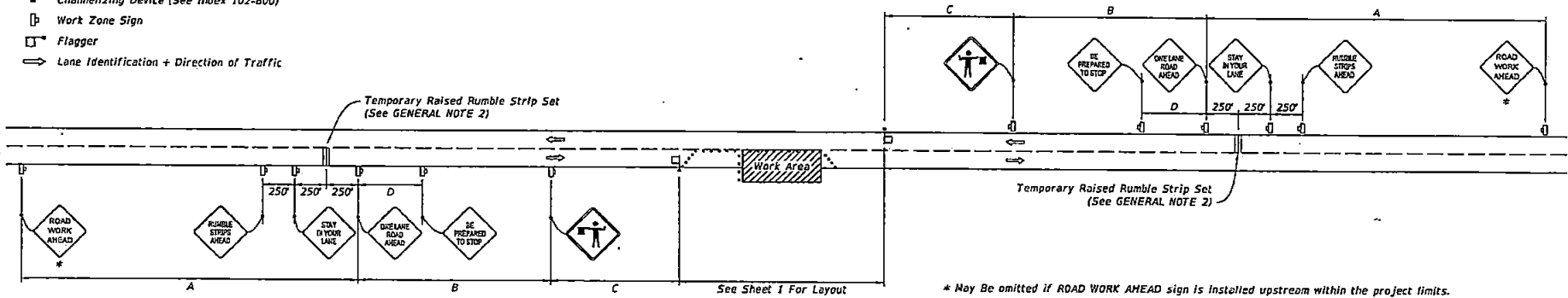
CONDITIONS
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 1 of 3
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102-603-24
11/18/2018

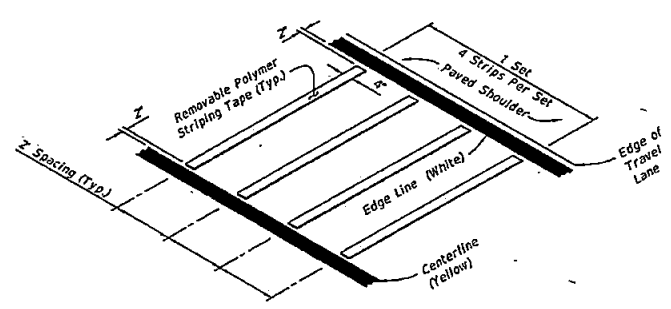
SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic

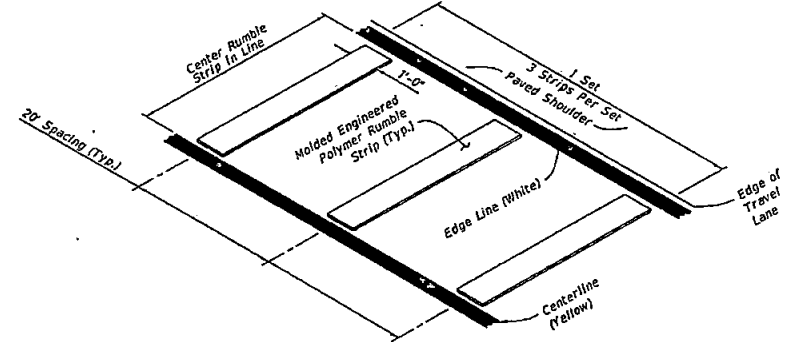
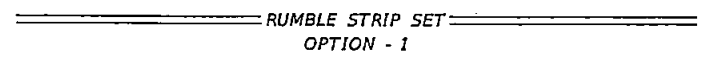


* May Be omitted if ROAD WORK AHEAD sign is installed upstream within the project limits.

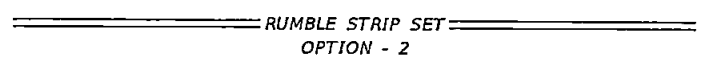
WITH TEMPORARY RAISED RUMBLE STRIPS
(When Required See GENERAL NOTE 2)



REMOVABLE POLYMER STRIPING TAPE



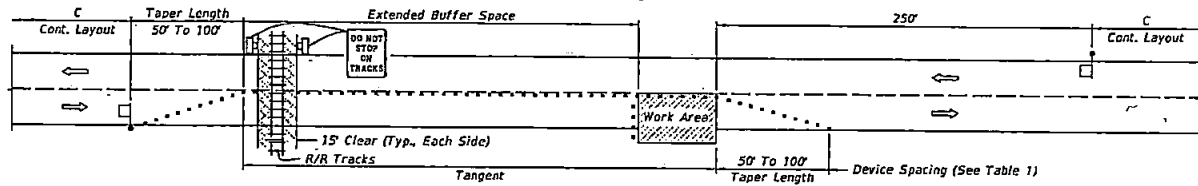
MOLDED ENGINEERED POLYMER SET



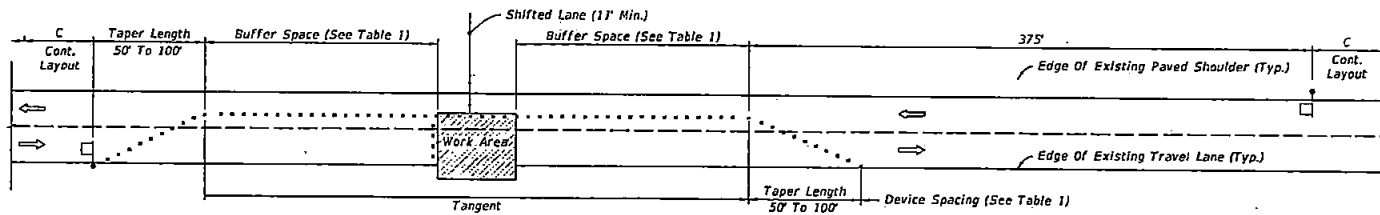
TEMPORARY RAISED RUMBLE STRIPS

9/16/2015 10:25:22 AM

LAST REVISION 11/01/17	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 2 of 3
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TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION



TEMPORARY LANE SHIFT TO SHOULDER WHEN
WORK AREA ENCROACHES ON THE CENTERLINE

SPECIAL CONDITIONS

Cross Reference:
1. See General Note 1, Sheet 1 for more information.

9/16/2018 10:26:52 AM

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 3 of 3
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SPECIAL CONDITIONS

EXHIBIT C

Construction Plans

See Attached.

IO # T00000023389
Putnam-St Johns 115kV Line

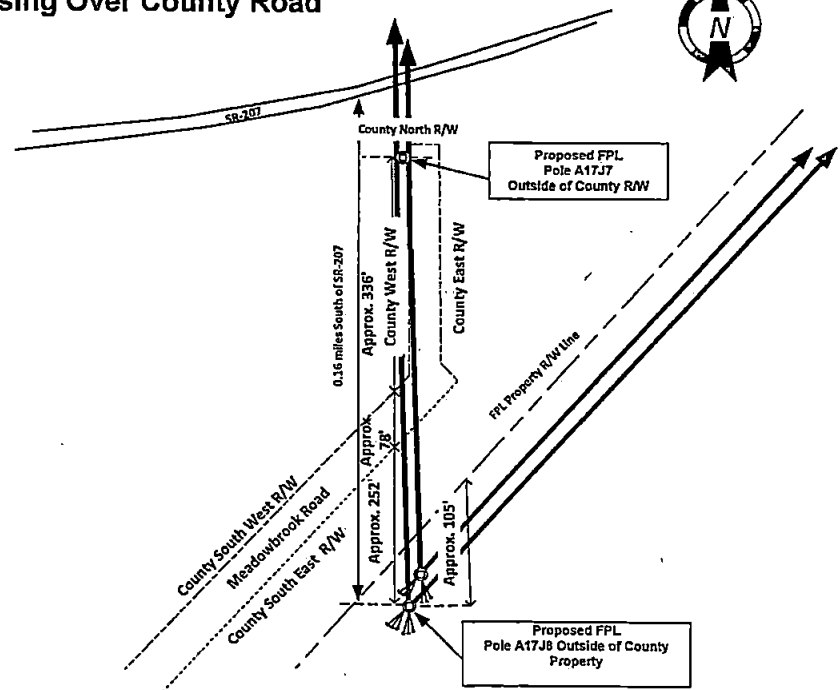
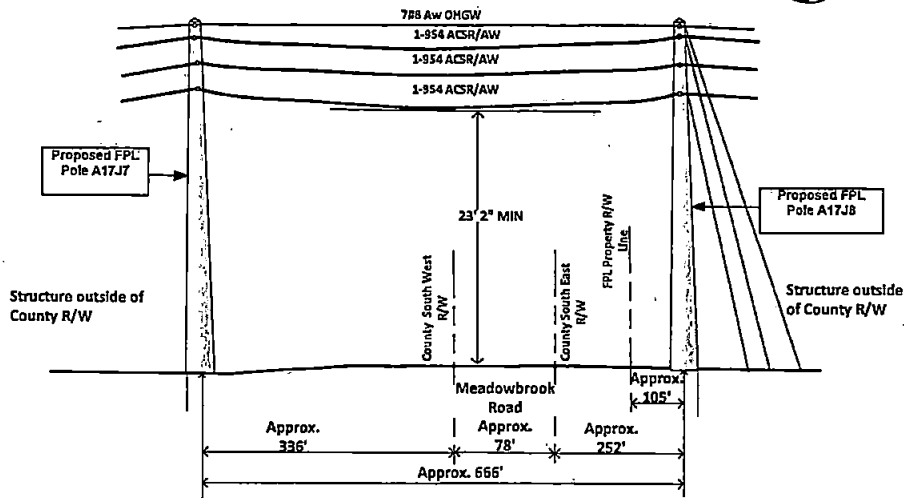


Requested MAINTENANCE OF TRAFFIC (MOT)
PLAN
FDOT Index # 602 and 603. POSTED SPEED 25MH

- Notes:
1. Pole located outside of the County right-of-way
 2. There are no third-party lines attached to the poles.
 3. County and South Bound Lane Closure Request to Install Transmission Pole.
 4. Minimum Clearance of 23' 2" to Ground @ Maximum temperature.
 5. Conductor Size: 954 ACSR/AW.

Location:		SEC. 25	TWP. 8 S.	RGE. 28E	FPL	IO #T00000023389
Pole Size	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115KV
	SFWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/> 69 KV	<input checked="" type="checkbox"/> 115 KV	<input type="checkbox"/> 138 KV				Scope: Cutting into existing Transmission Putnam-St Johns 115KV line to the new Trallside Solar site by installing new poles.
<input type="checkbox"/> 230 KV	<input type="checkbox"/> 500 KV	<input type="checkbox"/> CONTAMINATION				
					Drawn by: Hajar Akif	Date: July 2020
					Scale: N.T.S	Dwg No. 1 of 2

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7 & A17J8 Crossing Over County Road



LEGEND

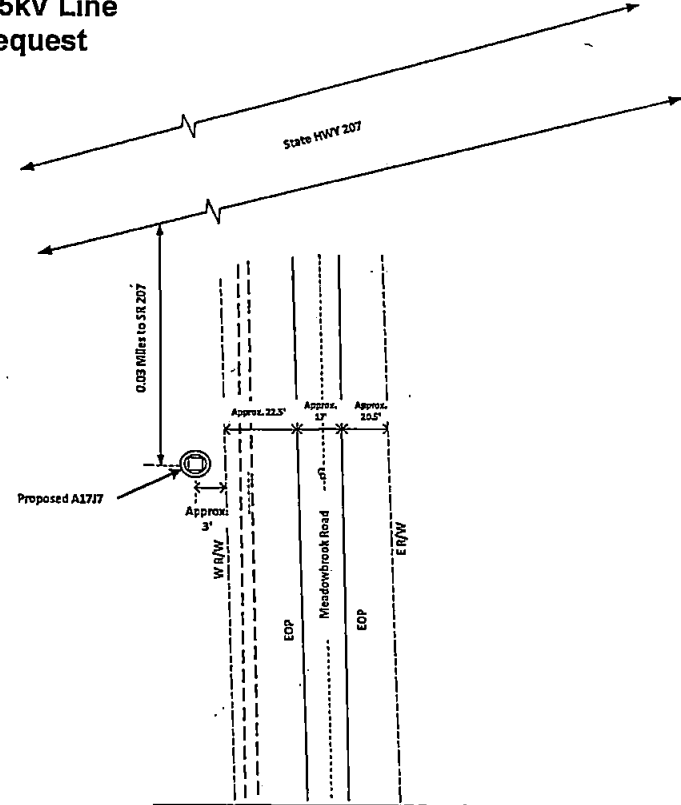
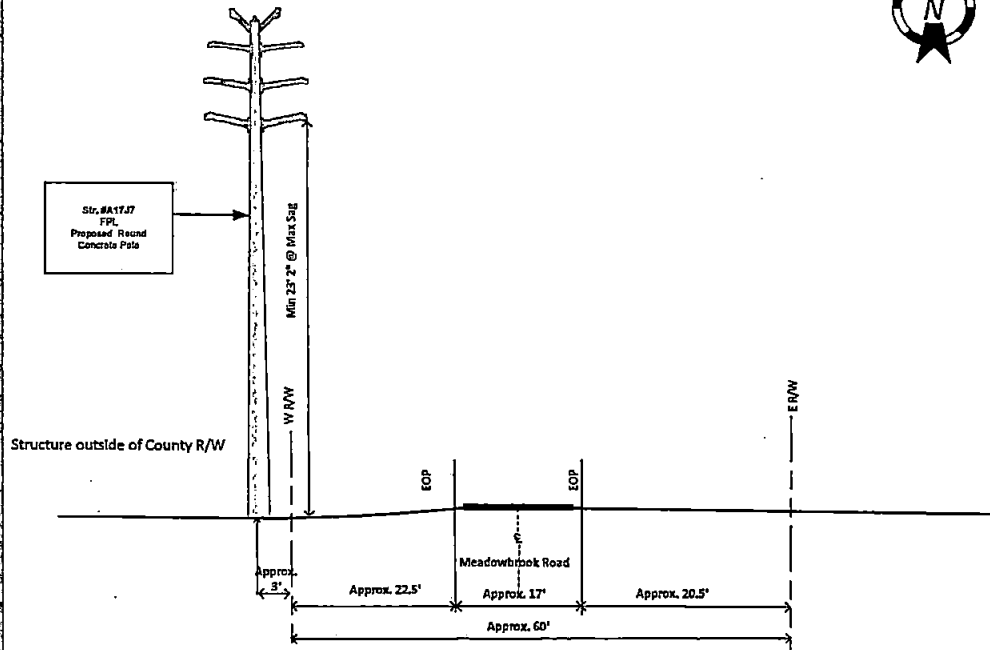
— R/W	RIGHT-OF-WAY
— EOP	EDGE OF PAVEMENT
— SPC	ROUND SPUN CONCRETE POLE
—	EXISTING TRANSMISSION WOOD POLE
—	EXISTING TRANSMISSION CONCRETE POLE
—	PROPOSED SPUN CONCRETE POLE
—	EXISTING SPUN CONCRETE POLE
—	EXISTING DISTRIBUTION WOOD POLE
—	ANCHOR
—	CENTER LINE
—	SPAN GUY WIRE
—	RIGHT OF WAY LINE
—	CENTER LINE OF ROAD
—	TRANSMISSION LINE
—	NEW CONDUCTOR TRANS. LINE

Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
 FDOT Index # 602 and 603. POSTED SPEED 25MH

- Notes:**
1. All Proposed Poles located outside of County right-of-way
 2. Clearances shown at maximum design temperature and final sag.
 3. There are no third-party lines attached to the poles.

Location:		SEC. 25	TWP. 8 S	RGE. 28 E	FPL	IO #T0000023389
PERMIT	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
REV'S	SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/>	138 kV		Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/>	CONTAMINATION		Drawn by: Hajar Akif
						Date: July 2020
						Scale: N.T.S
						Dwg No. 3 of 3

IO # T0000023389
 Putnam-St Johns 115kV Line
 County Permit Request



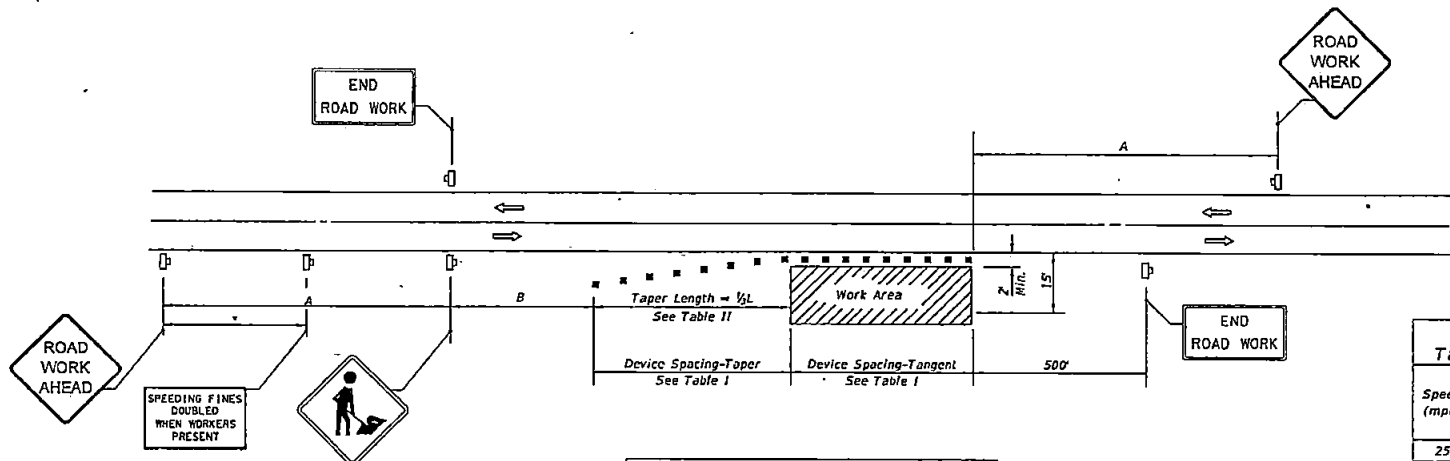
- Notes:
1. Pole located outside of the County right-of-way
 2. There are no third-party lines attached to the poles.
 3. County and South Bound Lane Closure Request to install Transmission Pole.
 4. Minimum Clearance of 23' 2" to Ground @ Maximum temperature.
 5. Conductor Size: 954 ACSR/AW.

LEGEND

	R/W.....RIGHT-OF-WAY
	EOP.....EDGE OF PAVEMENT
	SPC.....ROUND SPUN CONCRETE POLE
	.....EXISTING TRANSMISSION WOOD POLE
	.....EXISTING TRANSMISSION CONCRETE POLE
	.....PROPOSED SPUN CONCRETE POLE
	.....EXISTING SPUN CONCRETE POLE
	.....EXISTING DISTRIBUTION WOOD POLE
	.....ANCHOR
	.....CENTER LINE
	.....SPAN GUY WIRE
	.....RIGHT OF WAY LINE
	.....CENTER LINE OF ROAD
	.....TRANSMISSION LINE
	.....NEW CONDUCTOR TRANS. LINE

Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
 FDOT Index # 602 and 603, POSTED SPEED 25MH

Location:	SEC. 25	TWP. 8 S	RGE. 28E	FPL	IO #T0000023389
City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/> 69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/> 138 kV	Scope: Cutting Into existing Transmission Putnam-St Johns 115kV line to the new Trailside Solar site by installing new poles.		
<input type="checkbox"/> 230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/> CONTAMINATION			
Drawn by: Hajar Akif				Date: July 2020	
Scale: N.T.S				Dwg No. 2 of 2	



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

*Midway between signs.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS ² / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L = WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

B' minimum shoulder width

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

- SYMBOLS**
- Work Area
 - Channellizing Device (See Index 102-600)
 - Work Zone Sign
 - Lane Identification + Direction of Traffic






- GENERAL NOTES**
- When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index 102-603.
 - SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
 - When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
 - For general TCZ requirements and additional information, refer to Index 102-600.

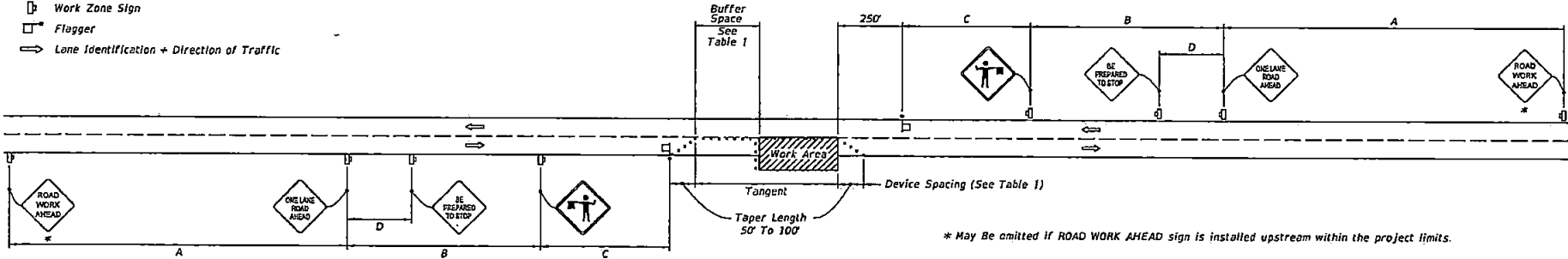
- DURATION NOTES**
- Signs and channellizing devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

9/18/2018 10:24:41 AM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 1
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic



WITHOUT TEMPORARY RAISED RUMBLE STRIPS

GENERAL NOTES:

1. Special Conditions may be required in accordance with these notes and the following sheets:

A. Railroad Crossings:

- a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
- b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.

2. Temporary Raised Rumble Strips:

- A. Use when both of the following conditions are met concurrently:
 - a. Existing Posted Speed is 55 mph or greater;
 - b. Work duration is greater than 60 minutes.
- B. Use a consistent Strip color throughout the work zone.
- C. Place each Rumble Strip Set transversely across the lane at locations shown.
- D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.

3. Additional one-way control may be provided by the following means:

- A. Flag-carrying vehicle;
- B. Official vehicle;
- C. Pilot vehicles;
- D. Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ indexes.

5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.

6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft. for posted speeds greater than 25 mph.

7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:

- A. Work operations are 60 minutes or less.
- B. Speed limit is 45 mph or less.
- C. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
- D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
- E. Volume and complexity of the roadway has been considered.
- F. If a railroad crossing is present, vehicles will not queue across rail tracks.
- G. AFADs are not in use.

8. See Index 102-600 for general TCZ requirements and additional information.

9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102, 990 and the APL vendor drawings.

Posted Speed	DEVICE SPACING				Distance Between Signs				Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Barricades/Panels/Drums		A	B	C	D	
	On a Taper	On a Tangent	On a Taper	On a Tangent					
25	20'	50'	20'	50'	200'	200'	200'	100'	155'
30	20'	50'	20'	50'	200'	200'	200'	100'	200'
35	20'	50'	20'	50'	200'	200'	200'	100'	250'
40	20'	50'	20'	50'	200'	200'	200'	100'	305'
45	20'	50'	20'	50'	350'	350'	350'	175'	360'
50	20'	50'	20'	100'	500'	500'	500'	250'	425'
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'






CONDITIONS

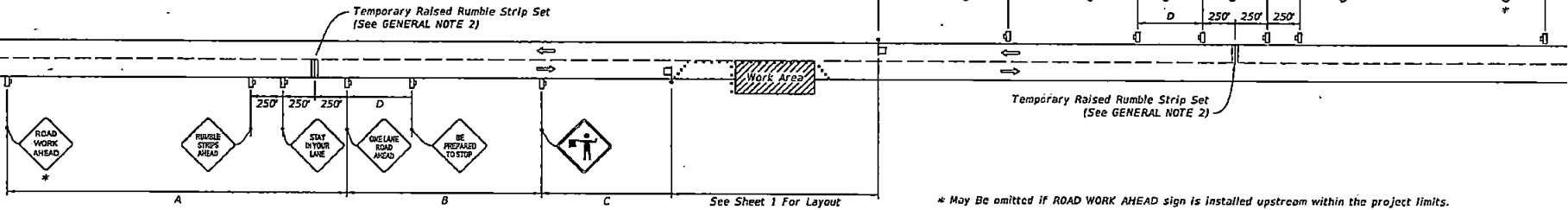
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

102-603-24
01/18/2018

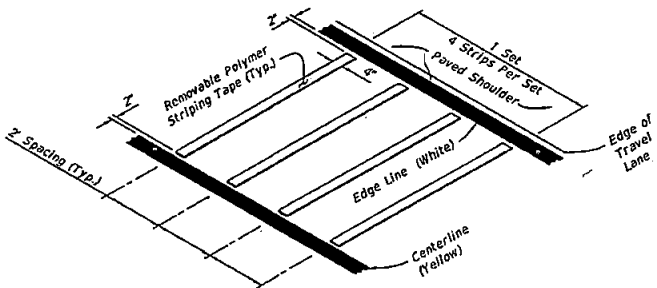
LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 1 of 3
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic

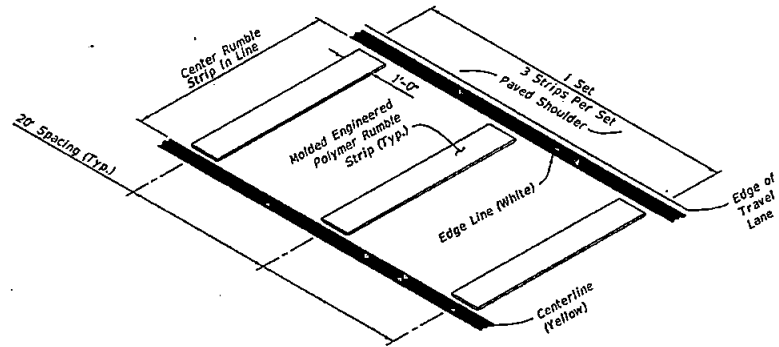


WITH TEMPORARY RAISED RUMBLE STRIPS
(When Required See GENERAL NOTE 2)



REMOVABLE POLYMER STRIPING TAPE

RUMBLE STRIP SET
OPTION - 1



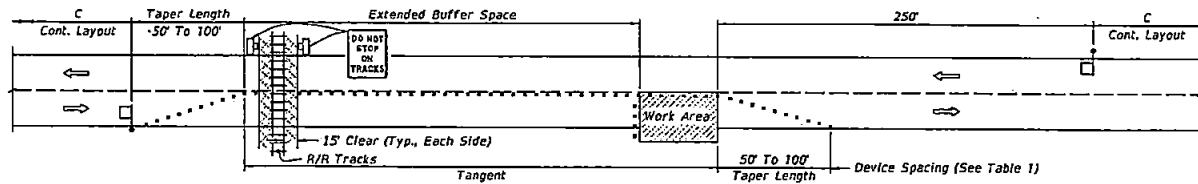
MOLDED ENGINEERED POLYMER SET

RUMBLE STRIP SET
OPTION - 2

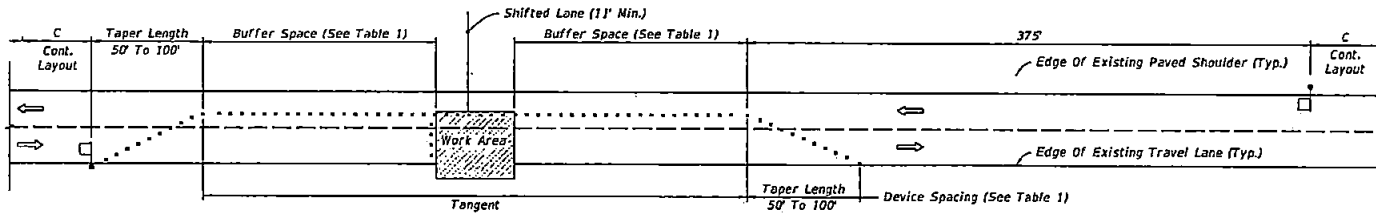
TEMPORARY RAISED RUMBLE STRIPS

9/18/2018 102432.dwg

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 2 of 3
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TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION



TEMPORARY LANE SHIFT TO SHOULDER WHEN
WORK AREA ENCROACHES ON THE CENTERLINE

SPECIAL CONDITIONS

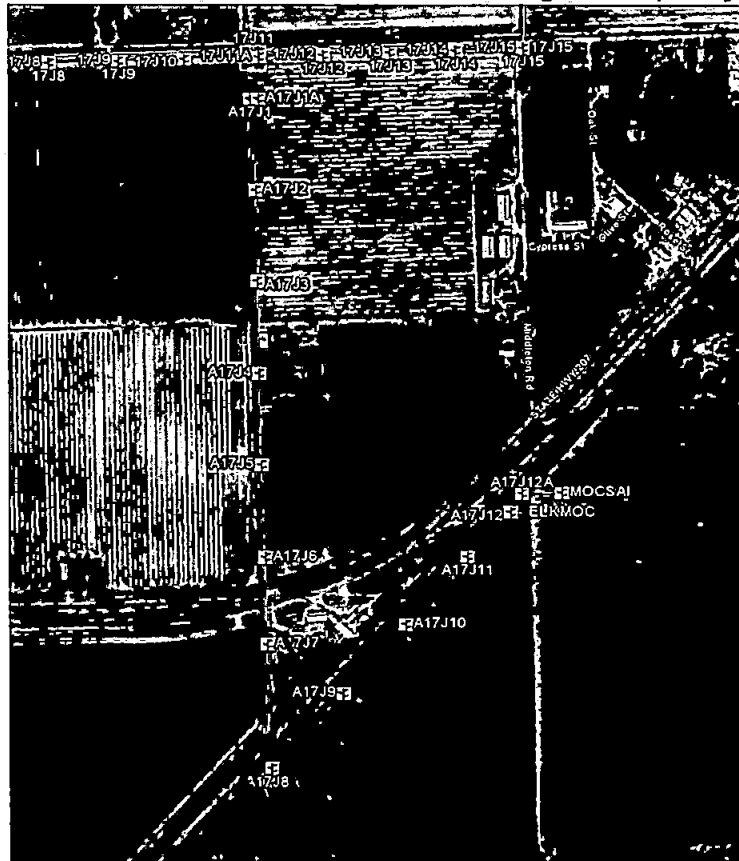
Cross Reference:
1. See General Note 1, Sheet 1 for more information.

SPECIAL CONDITIONS

LAST REVISION 11/01/17	REVISION DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 3 of 3
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9/16/2016 10:24:32 AM

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7, A17J8A & A17J8 Crossing Over County Road

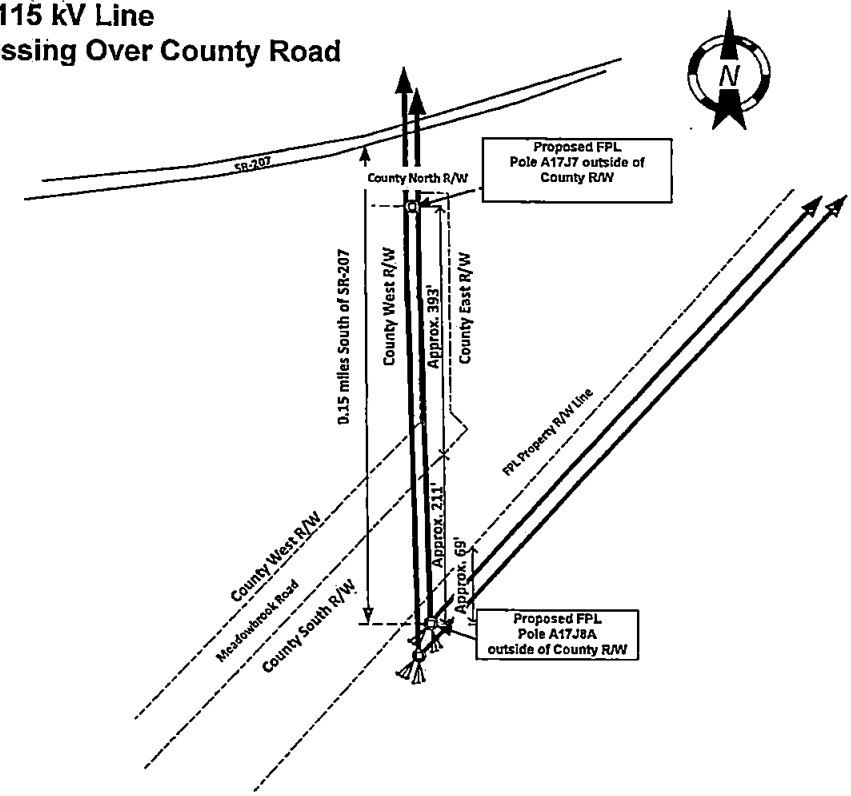
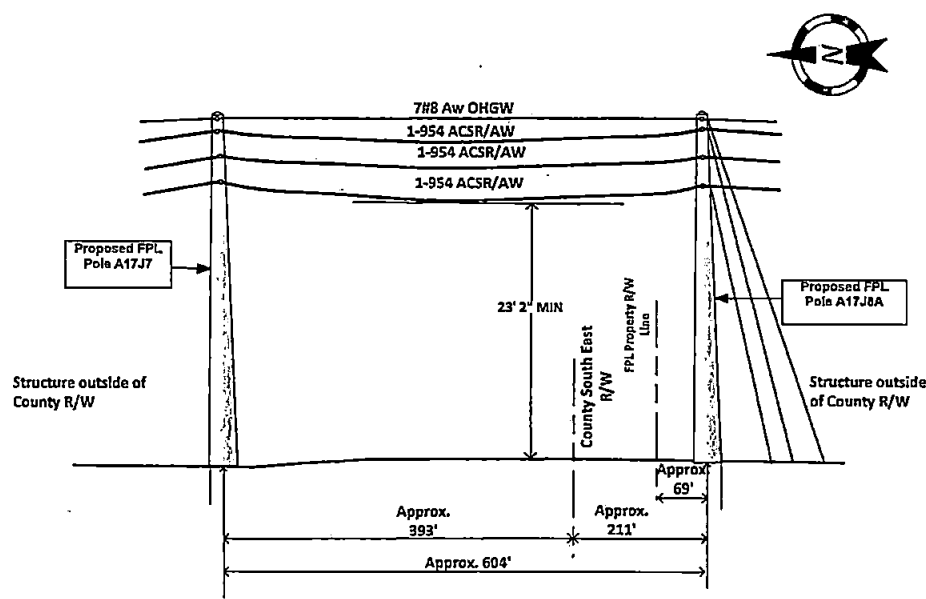


Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603. POSTED SPEED 25MH

- Notes:**
1. All Proposed Poles located outside of County right-of-way
 2. Clearances shown at maximum design temperature and final sag.
 3. There are no third-party lines attached to the poles.

Location:		SEC. 25	TWP. 8 S	RGE. 28 E	FPL	IO #T0000023389
PERMIT RECORD	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV
	SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/>	115 kV	<input type="checkbox"/>	138 kV	Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/>	500 kV	<input type="checkbox"/>	CONTAMINATION	
Drawn by: Hajar Akif					Date: July 2020	
Scale: N.T.S					Dwg No. 1 of 3	

IO # T0000023389
 Putnam-St Johns 115 kV Line
 Structures A17J7 & A17J8A Crossing Over County Road



LEGEND

- R/W.....RIGHT-OF-WAY
- EOP.....EDGE OF PAVEMENT
- SPC.....ROUND SPUN CONCRETE POLE
-EXISTING TRANSMISSION WOOD POLE
-EXISTING TRANSMISSION CONCRETE POLE
-PROPOSED SPUN CONCRETE POLE
-EXISTING SPUN CONCRETE POLE
-EXISTING DISTRIBUTION WOOD POLE
-ANCHOR
-CENTER LINE
-SPAN GUY WIRE
-RIGHT OF WAY LINE
-CENTER LINE OF ROAD
-TRANSMISSION LINE
-NEW CONDUCTOR TRANS. LINE

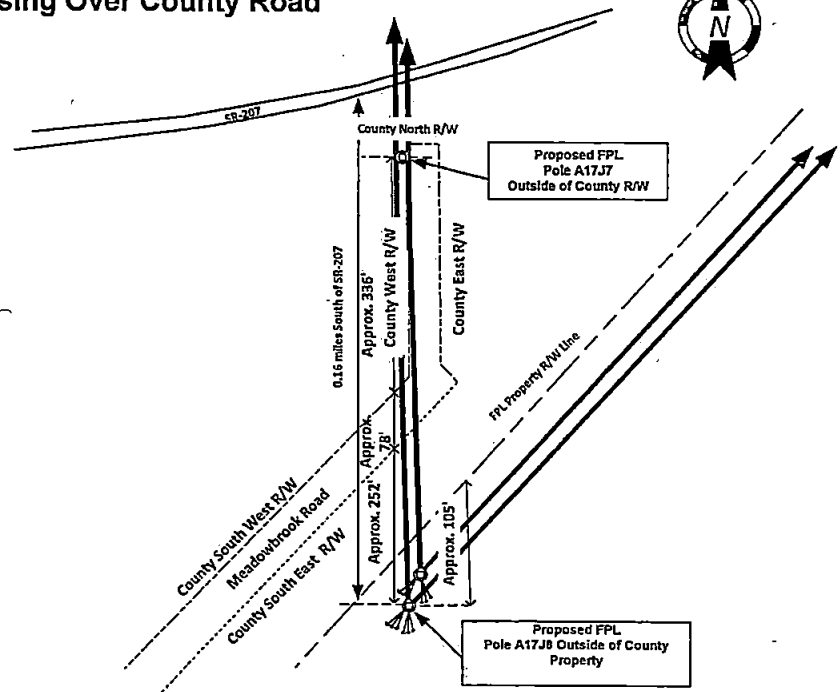
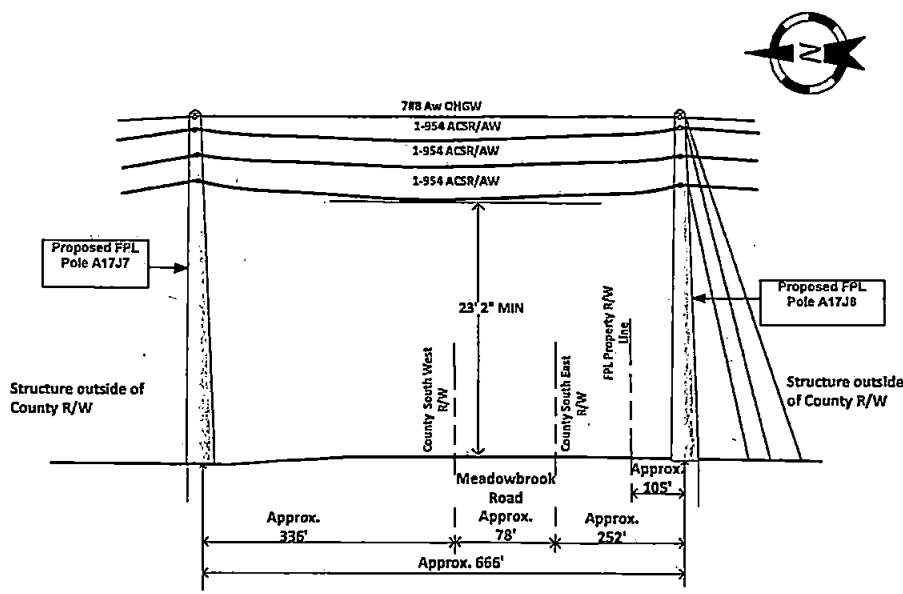
**Requested MAINTENANCE OF TRAFFIC
 (MOT) PLAN**
 FDOT Index # 602 and 603. POSTED SPEED
 25MH

Notes:

1. All Proposed Poles located outside of County right-of-way
2. Clearances shown at maximum design temperature and final sag.
3. There are no third-party lines attached to the poles.

Location:		SEC. 25	TWP. 8 S	RGE.28 E	FPL	IO #T0000023389
PERMIT REQD	City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115KV
	SPWMD	RR Xing	DR. Dist.	COE		County: St Johns
<input type="checkbox"/>	69 kV	<input checked="" type="checkbox"/>	115 kV	<input type="checkbox"/>	138 kV	Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.
<input type="checkbox"/>	230 kV	<input type="checkbox"/>	500 kV	<input type="checkbox"/>	CONTAMINATION	
Drawn by: Hajar Akif					Date: July 2020	
Scale: N.T.S					Dwg No. 2 of 3	

IO # T0000023389
Putnam-St Johns 115 kV Line
Structures A17J7 & A17J8 Crossing Over County Road



LEGEND

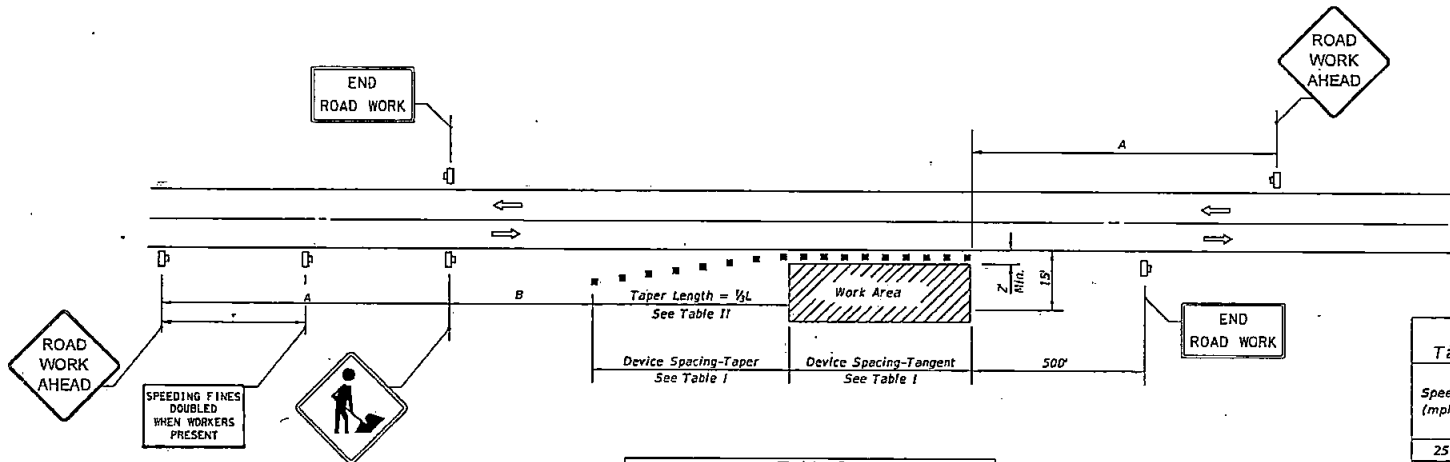
	RIGHT-OF-WAY
	EDGE OF PAVEMENT
	ROUND SPUN CONCRETE POLE
	EXISTING TRANSMISSION WOOD POLE
	EXISTING TRANSMISSION CONCRETE POLE
	PROPOSED SPUN CONCRETE POLE
	EXISTING SPUN CONCRETE POLE
	EXISTING DISTRIBUTION WOOD POLE
	ANCHOR
	CENTER LINE
	SPAN GUY WIRE
	RIGHT OF WAY LINE
	CENTER LINE OF ROAD
	TRANSMISSION LINE
	NEW CONDUCTOR TRANS. LINE

Requested MAINTENANCE OF TRAFFIC (MOT) PLAN
FDOT Index # 602 and 603, POSTED SPEED 25MH

Notes:

1. All Proposed Poles located outside of County right-of-way
2. Clearances shown at maximum design temperature and final sag.
3. There are no third-party lines attached to the poles.

Location: SEC. 25		TWP. 8 S		RGE. 28 E		FPL	IO #T0000023389
City R/W	County R/W	FDEP	FDOT	FAA	Line Name: Putnam-St Johns 115kV		
SPWMD	RR Xing	DR. Dist.	COE		County: St Johns		
<input type="checkbox"/> 69 kV	<input checked="" type="checkbox"/> 115 kV	<input type="checkbox"/> 138 kV	Scope: Cutting into existing transmission Putnam-St Johns line to carry the line to the new Transmission Trailside Solar site by installing new transmission poles.				
<input type="checkbox"/> 230 kV	<input type="checkbox"/> 500 kV	<input type="checkbox"/> CONTAMINATION					
Drawn by: Hajar Akif		Date: July 2020		Scale: N.T.S.			
				Dwg No. 3 of 3			



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

*Midway between signs.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS ² / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	L = WS
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

SYMBOLS

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

GENERAL NOTES

- When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index 102-603.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index 102-600.

DURATION NOTES

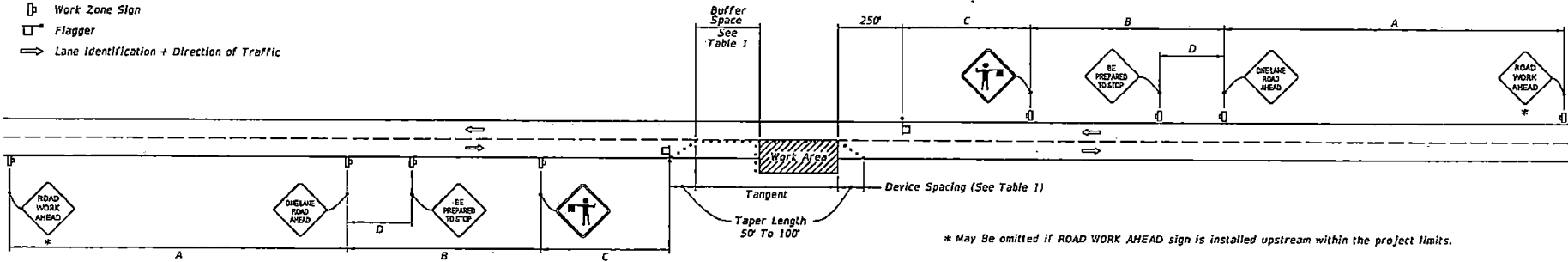
- Signs and channelizing devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

9/18/2016 10:25:44 AM

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 1
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SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification + Direction of Traffic



WITHOUT TEMPORARY RAISED RUMBLE STRIPS

GENERAL NOTES:

1. Special Conditions may be required in accordance with these notes and the following sheets:
 - A. Railroad Crossings:
 - a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
 - b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
 - B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
2. Temporary Raised Rumble Strips:
 - A. Use when both of the following conditions are met concurrently:
 - a. Existing Posted Speed is 55 mph or greater;
 - b. Work duration is greater than 60 minutes.
 - B. Use a consistent Strip color throughout the work zone.
 - C. Place each Rumble Strip Set transversely across the lane at locations shown.
 - D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
3. Additional one-way control may be provided by the following means:
 - A. Flag-carrying vehicle;
 - B. Official vehicle;
 - C. Pilot vehicles;
 - D. Traffic signals.






When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ indexes.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft, for posted speeds greater than 25 mph.
7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
 - A. Work operations are 60 minutes or less.
 - B. Speed limit is 45 mph or less.
 - C. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
 - D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
 - E. Volume and complexity of the roadway has been considered.
 - F. If a railroad crossing is present, vehicles will not queue across rail tracks.
 - G. AFADs are not in use.
8. See Index 102-600 for general TCZ requirements and additional information.
9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102.990 and the APL vendor drawings.

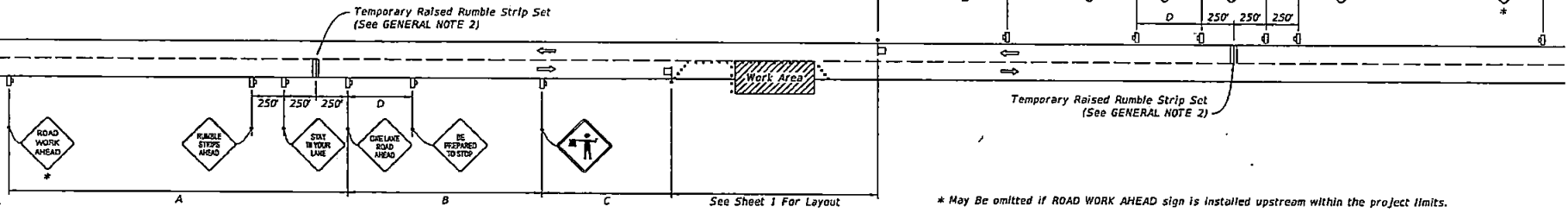
Posted Speed	TABLE 1 DEVICE SPACING								Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Barricades/Panels/Drums		Distance Between Signs				
	On a Taper	On a Tangent	On a Taper	On a Tangent	A	B	C	D	
25	20'	50'	20'	50'	200'	200'	200'	100'	155'
30	20'	50'	20'	50'	200'	200'	200'	100'	200'
35	20'	50'	20'	50'	200'	200'	200'	100'	250'
40	20'	50'	20'	50'	200'	200'	200'	100'	305'
45	20'	50'	20'	50'	350'	350'	350'	175'	360'
50	20'	50'	20'	100'	500'	500'	500'	250'	425'
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'

CONDITIONS
 WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENGROACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

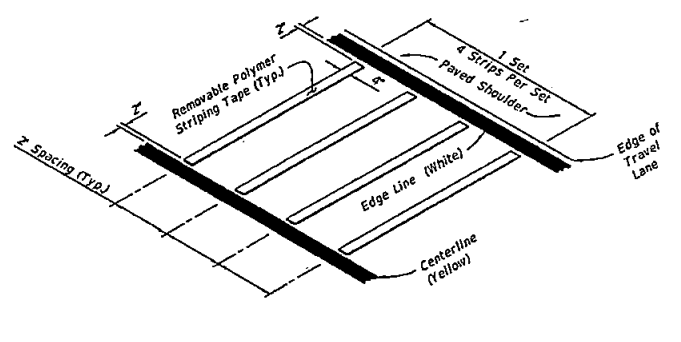
102-600-17
11/01/17

SYMBOLS:

-  Work Area
-  Channellizing Device (See Index 102-600)
-  Work Zone Sign
-  Flagger
-  Lane Identification + Direction of Traffic

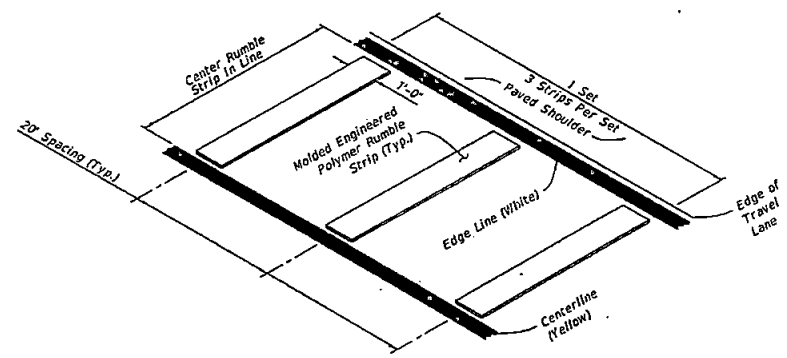


WITH TEMPORARY RAISED RUMBLE STRIPS
(When Required See GENERAL NOTE 2)



REMOVABLE POLYMER STRIPING TAPE

RUMBLE STRIP SET
OPTION - 1




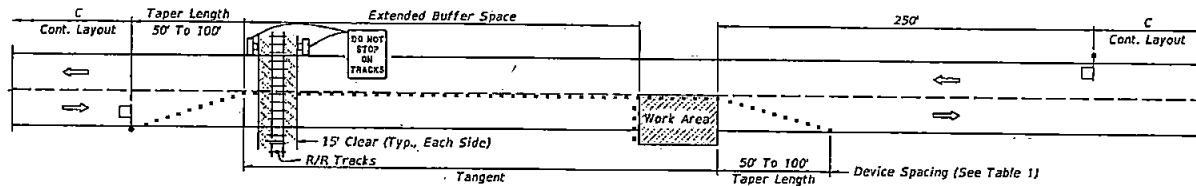
MOLDED ENGINEERED POLYMER SET

RUMBLE STRIP SET
OPTION - 2

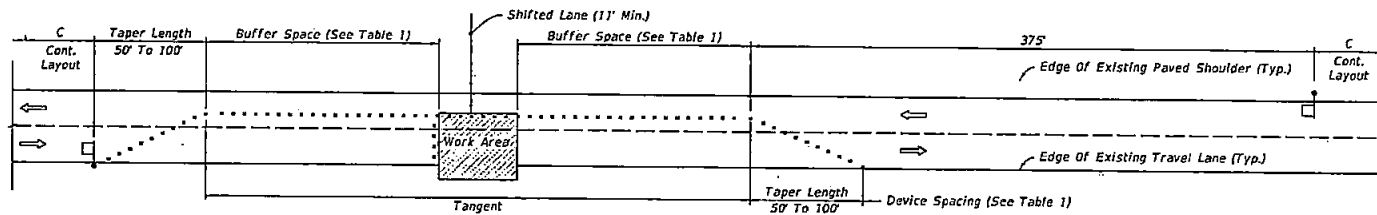
TEMPORARY RAISED RUMBLE STRIPS

102-603-22-24
8/14/2018

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 2 of 3
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TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION



TEMPORARY LANE SHIFT TO SHOULDER WHEN
WORK AREA ENCROACHES ON THE CENTERLINE

SPECIAL CONDITIONS

Cross References:
1. See General Note 1, Sheet 1 for more information.

9/10/2018 10:24:22 AM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	SPECIAL CONDITIONS	
				TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603